UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF WEST VIRGINIA AT CHARLESTON

IN RE: ETHICON, INC. PELVIC REPAIR SYSTEM PRODUCTS LIABILITY LITIGATION

Master File No. 2:12-MD-02327 MDL No. 2327

THIS DOCUMENT RELATES TO:

JOSEPH R. GOODWIN U.S. DISTRICT JUDGE

ALL PLAINTIFFS LISTED IN EXHIBIT A TO PLAINTIFFS' NOTICE OF ADOPTION OF WAVE 1 MOTION

ETHICON'S MEMORANDUM IN OPPOSITION TO PLAINTIFFS' MOTION TO EXCLUDE CERTAIN OPINIONS AND TESTIMONY OF CHRISTINA PRAMUDJI, M.D.

INTRODUCTION

Plaintiffs filed a Notice of Adoption of their Motion to Exclude Certain Opinions and Testimony of Christina Pramudji, M.D. [Doc. No. 2035] and Supporting Memorandum [Doc. No. 2037] from Ethicon Wave 1. *See* Plaintiffs' Notice of Adoption, Doc. No. 2427. While Ethicon adopts and incorporates by reference its Response to that Motion ("Ethicon's Response") [Doc. No. 2153], given recent testimony from Dr. Pramudji and her updated Reports and reliance lists for Wave 2 cases, there is additional, relevant information to consider in addressing Dr. Pramudji's opinions on product warnings and that polypropylene mesh does not degrade in vivo.

Other than the supplementation of these two issues, Ethicon adopts and incorporates herein by reference its Wave 1 Response in relation to Dr. Pramudji [Doc. No. 2153].

BACKGROUND

Dr. Pramudji is a board-certified urologist with a sub-specialty in Pelvic Floor Medicine and Reconstructive Surgery. Ethicon's Response [Doc. No. 2153] at 1.¹ Her experience is vast, including "well over 1000" prolapse surgeries; "over 900 sling procedures" to treat SUI; 10 to 20 complete explants; and 50-60 revisions or partial removals. *Id.* She has also taught many surgeons on the use of mesh devices, has consulted with medical device companies in the development of slings to treat SUI, and has closely studied the medical literature and studies related to mesh, including Level 1 evidence such as Cochrane Review meta-analyses assessing thousands of patients, and numerous randomized controlled trials (RCTs), not to mention public statements by medical societies in the fields of urology. *Id.* at 1-2.

Plaintiffs seek to preclude Dr. Pramudji from testifying about the adequacy of the device IFUs, arguing that she is not an expert on regulations governing device manufacturers and is instead relying solely on her experience as a surgeon. And Plaintiffs attempt to preclude Dr. Pramudji from offering testimony that polypropylene mesh products do not degrade in the human body. None of Plaintiffs' arguments has merit, and their Motion should be denied.

A. Dr. Pramudji is qualified to testify about the general knowledge of pelvic floor surgeons and the impact of such knowledge on Ethicon's Warnings and IFUs.

"[D]octors are fully qualified to opine on the medical facts and science regarding the risks and benefits of drugs and to compare that knowledge with what was provided in the text of labeling and warnings." *Winebarger v. Boston Scientific Corp.*, 2015 WL 1887222, at *5 (S.D. W. Va. Apr. 24, 2015). Dr. Pramudji's testimony should be considered in light of the controlling legal principle that a device manufacturer's duty to warn of adverse events does not include a

¹ Ethicon will not restate the entirety of Dr. Pramudji's qualifications here, but refers the Court to its Response, Doc. No. 2153, at 1-2.

duty to warn of risks commonly known to the surgeons who use the device. Even the FDA device regulations recognize the importance of a physician's knowledge base by allowing certain information to be omitted from labeling:

if, but only if, the article is a device for which directions, hazards, warnings and other information are *commonly known to practitioners* licensed by law to use the device.

21 C.F.R. §801.109(c) (emphasis added).

As a result, Dr. Pramudji's testimony concerning what a trained pelvic floor surgeon would know to be the risks associated with pelvic floor surgeries, including surgery using mesh, is a key inquiry here, and she is undoubtedly qualified to render opinions on this topic. So, too, Dr. Pramudji's analysis of the pertinent medical literature supports her conclusions that numerous risks attendant to performing the surgery and using the device would be commonly known to these practitioners (surgeons like herself) licensed to implant the device and that certain risks espoused by Plaintiffs' experts are unverified and therefore need not be included in the IFU. *See*, *infra*, regarding Dr. Pramudji's opinions on degradation.

This makes sense in light of the fact that the contents of the IFUs must be assessed in terms of both what the class of surgeons who are to use the devices know and how their training would impact their review of the IFUs. *See*, *e.g.*, Ex. C to Ethicon's Response, TVT IFU at 28 ("Users should be familiar with surgical techniques for bladder neck suspension and should be adequately trained in implanting the TVT system." And, that the IFU "is not a comprehensive reference to surgical technique for correcting SUI (Stress Urinary Incontinence)."); Ex. D to Response, TVT-O IFU at 5 (device to be used "only by physicians trained in the surgical treatment of stress urinary incontinence and specifically in implanting the Gynecare TVT Obturator device."); Ex. A, Prolift IFU at 2 ("Training on the use of the GYNECARE

PROLIFT* Pelvic Floor Repair Systems is recommended and available") and at 6 ("WARNINGS AND PRECAUTIONS: Users should be familiar with surgical procedures and techniques involving pelvic floor repair and nonabsorbable meshes before employing the GYNECARE PROLIFT Pelvic Floor Repair Systems.")).

Dr. Pramudji has recently expounded on her experience in training other physicians in the use of mesh devices, including evaluating the risks to determine appropriate patients and how her experience as a pelvic surgeon plays into that. For example, in Shelton v. Ethicon, Inc., No. 2:12-cv-01707, upon questioning by Plaintiff's counsel, Dr. Pramudji testified that she taught other physicians about Ethicon mesh products, how to implant them, and how to identify a proper patient for treatment using mesh. Ex. B, Pramudji (Shelton 7/12/16) Dep. at 54-55. She highlighted that her experience and professional education, in combination with reading medical literature over her decades of practice, has informed her opinion regarding the risks and complications of pelvic floor surgery and pelvic floor surgery using mesh. Id. at 68-70. And she also testified that she knows what risks and complications are known to pelvic surgeons, the intended product users, not only through her experience, but also through a thorough review of the literature over many years. Id. at 68-70 (citing Iglesia, C.B., The Use of Mesh in Gynecologic Surgery, Int. Urogynecol J (1997) 8:105-115, which was a literature review from 1950 to 1997 published in the International Urogynecology Journal, that reported risks to practitioners like Dr. Pramudji).

Dr. Pramudji edified her opinions concerning the knowledge base of pelvic surgeons and what pelvic surgeons fundamentally and commonly know based upon experience in that surgical field. "A fundamental part of training to pelvic floor surgeons" is that surgery in the pelvic area cause certain complications that are customarily raised by Plaintiffs in this litigation,

including scarring in the vagina and inflammation in the vaginal wall, which can result in dyspareunia. Ex. C, Pramudji (Bihlmeyer v. Ethicon, Inc., No. 2:12-cv-02159) (6/9/16) Dep. at 95. She explained that medical studies dating back to 1961 tracked the connection between pelvic floor surgery and dyspareunia. Id. at 95-96. For more than 50 years, pelvic surgeons in the field have understood the well-accepted risks of pelvic floor surgery to include scarring and tenderness, potential narrowing of the introitus and vagina and dyspareunia. *Id.* at 96. This is consistent with her General Expert Reports. See, Ex. C to Plaintiff's Motion [Doc. No. 2035], Pramudji Gynemesh/Prolift/Prosima General Report, at 16 ("Pain, pelvic pain and dyspareunia can occur with all POP surgeries.") (citing ACOG 2011 Committee Opinion 513; AUA 2011 Position Statement on the use of vaginal mesh for the repair of pelvic organ prolapse; Lowman, J., Does the Prolift system cause dyspareunia? Am J Obstet Gynecol 2008, 199:707.e1-707.e6; Francis, WJA, Jeffcoate, TNA, Dyspareunia following vaginal operations, J Obstet Gynaecol Br Commonwealth, 1961, LXVIII(1):1-10 (discussing complications following colporrhaphy prolapse repair)); and at 15 ("All POP and vaginal surgeries have potential risks.") (citing Ex. D, Diwadkar, Complication and reoperation rates after apical vaginal prolapse surgical repair: a systematic review, Obstet Gynecol 2009, 113:367–73 (published in the official publication of the American College of Obstetricians and Gynecologists, and reviewing literature from 1985 to January 2008 using PubMed, Cochrane databases, and the Database of Abstracts of Reviews and Effects and reporting numerous risks and complications to practitioners of pelvic floor surgery); see also Diwadkar, at Table 2:

Table 2. Weighted Averages and Confidence Intervals of Complications, Dindo Grades, Prolapse Reoperation Rates, and Total Reoperation Rates

	Traditional Vaginal Repair*	Sacral Colpopexy	Mesh Kits
Number of studies [†]	48	52	24
Number of patients	7,827	5,639	3,425
Mean follow-up (mo±SD)	32.6 ± 19.8	26.5 ± 20.1	17.1±13.8
Dindo grade I	6.2 (5.7-6.7), 0-52.8	5.5 (4.9-6.1), 0-52.2	3.9 (3.3-4.6), 0-23.1
Dindo grade II	6.9 (6.4-7.6), 0-34.7	5.8 (5.2-6.4), 0-25.9	2.2 (1.7-2.7), 0-14.8
Dindo grade IIIa	0.2 (0.1-0.4), 0-2.1	1.0 (0.7-1.2), 0-8.3	1.3 (0.9-1.6), 0-12.7
Dindo grade IIIb	1.9 (1.7-2.3), 0-12.0	4.8 (4.2-5.4), 0-28.2	7.2 (6.3-8.0), 0-21.2
Dindo grade IVa, b	0.1 (0-0.1), 0-1.0	0.0 (0-0.07), 0.0	0.0 (0-0.1), 0.0
Dindo grade V	0.1 (0-0.1), 0-0.7	0.0 (0-0.07), 0.0	0.0 (0-0.1), 0.0
Mesh erosion or infection	0.5 (0.3-0.6), 0-20.0	2.2 (1.8-2.6), 0-28.2	5.8 (5-6.6), 0-21.2
Visceral injury [‡]	1.0 (0.8-1.3), 0-5.9	1.7 (1.3-2.0), 0-10.7	1.1 (0.7-1.4), 0-5.0
Cystotomy	0.4 (0.2-0.5), 0-5.9	1.0 (0.8-1.3), 0-10.7	0.7 (0.4-1.0), 0-4.3
Ureteral injury	0.3 (0.2-0.4), 0-3.5	0.2 (0.1-0.3), 0-1.6	0.1 (0-0.1), 0-1.0
Bowel injury	0.4 (0.3-0.5), 0-3.1	0.5 (0.3-0.7), 0-3.6	0.3 (0.1-0.5), 0-5.0
Pain ⁴	1.6 (1.3-1.9), 0-38.9	2.3 (1.9-2.6), 0-25.0	2.5 (2.0-3.0), 0-23.1
Buttock pain	1.0 (0.8-1.3), 0-52.8	0.0 (0-0.07), 0-5.9	0.4 (0.2-0.7), 0-8.3
Dyspareunia	1.5 (1.2-1.8), 0-38.9	1.5 (1.1-1.8), 0-22.8	2.2 (1.7-2.7), 0-23.1
Fistula	0.1 (0-0.1), 0-1.5	0.0 (0-0.07), 0-0.8	0.2 (0.1-0.4), 0-4.2
Hemorrhage or hematoma	2.8 (2.5-3.3), 0-19.6	1.6 (1.3-1.9), 0-11.5	1.1 (0.7-1.4), 0-3.0
Wound complications	0.5 (0.4-0.7), 0-10.8	1.5 (1.2-1.8), 0-16.8	0.2 (0-0.3), 0-7.5
Pelvic abscess	0.2 (0.1-0.3), 0-1.4	0.1 (0-0.2), 0-3.2	0.1 (0-0.2), 0-3.3
Lower extremity neuropathy	0.4 (0.3-0.6), 0-7.5	0.2 (0.1-0.3), 0-0.5	0.0 (0-0.1), 0.0
Urinary tract infection	3.5 (3.1-3.9), 0-34.8	2.1 (1.8-2.5), 0-25.9	0.8 (0.5-1.2), 0-14.8
Pulmonary embolism or deep vein	0.1 (0.1-0.2), 0-2.2	0.3 (0.1-0.4), 0-3.2	0.0 (0-0.1), 0-1.4
thrombosis			
Pulmonary complications	0.5 (0.4-0.7), 0-14.0	0.1 (0.1-0.4), 0-0.7	0.0 (0-0.1), 0.0
Cardiac complications	0.2 (0.1-0.3), 0-2.2	0.2 (0.1-0.3), 0-3.3	0.0 (0-0.1), 0.0
Total complication rate	15.3 (14.7-16.3), 0-52.8	17.1 (16.1-18.1), 0-52.2	14.5 (13.3-15.7), 0-23.1
Reoperation for prolapse recurrence	3.9 (3.5-4.4), 0-29.1	23 (1.9-2.7), 0-31.3	1.3 (1.0-1.7), 0-16.0
Total reoperation rate	5.8 (5.3-6.3), 0-29.2	7.1 (6.4-7.8), 0-26.2	8.5 (7.6-9.4), 0-30.0

See also Ex. B to Plaintiffs' Motion [Doc. 2035], Pramudji TVT/TVTO General Report at 4 ("Potential risks of operating in this area are well described to surgeons during training, in medical textbooks, and in the medical literature, and are well known risks" and generally discussing risks set forth in the medical literature).

All of this supports her qualifications to testify about the general knowledge of pelvic floor surgeons and why, given that general knowledge base, warnings that Plaintiffs insist should have been included in the product warnings were simply not necessary in light of the knowledge of the intended user of the product.

In addition, Dr. Pramudji's experience qualifies her to testify concerning the common interpretation of the risks set forth in the IFU to those trained in such surgeries. See, e.g., Ex. E, Pramudji (Wilson v. Ethicon, Inc., No. 2:12-cv-02099) (7/6/16) Dep. at 77-83 (discussing that risks known to pelvic surgeons would impact the surgeon's interpretation of the language in the product warnings).

SD, standard deviation.

Data are % (95% confidence interval), range unless otherwise specified.

Data are % (95% confidence interval), range unless otherwise specified.

The landes sacrospinous ligament suspension, atterosacral ligament suspension, discoccygeus muscle suspension, and McCall's culdoplasty.

Ten studies included multiple cohorts from different procedure groups.

Includes youtotomy, ureteral injury, and bowel injury.

Includes youtotomy, ureteral injury, and bowel injury.

Includes wound infections, vaginal culf infections, and vaginal and abdominal wound dehiscences.

Includes reoperations for complications (Dindo IIIb) and prolapse recurrence.

Given that the product IFUs note that only surgeons trained in pelvic floor surgery should use Ethicon pelvic mesh products, Defendants' Response Memorandum [Doc. No. 2153] at 5-6, what a trained physician would know is critical to the analysis of the adequacy of the warning. Dr. Pramudji is well-versed by her education, training and experience – including her experience training other surgeons – to discuss what risks would be known generally to the class of users of such mesh devices. She is further qualified by her work as a preceptor and Ethicon trainer to discuss what training Ethicon provided, including the format of the training as well as its content. Ex. C, Pramudji (*Bihlmeyer*) Dep. at 96-98; Ex. B, Pramudji (*Shelton*) Dep. at 54-56.

Dr. Pramudji is not opining that certain risks need not be included in the IFU just because she has not observed them in her own practice. Instead, her testimony rests not only her own experience but on her historical review of the medical literature as well as her experience in teaching medical professionals and the statement of the professionals themselves through their professional associations. Such opinions are fully supported by her years of education, training and experience: qualifications that Plaintiffs do not challenge. *See* Plaintiffs' Reply Memorandum in Support of Motion to Exclude Certain Opinions of Christina Pramudji, M.D. [Doc. No. 2236] at 1 ("Plaintiffs' Motion is not based on lack of qualifications..."). Yet qualifications are at the heart of Dr. Pramudji's opinion that, given the knowledge of pelvic floor surgeons, the product warnings were adequate.

This Court's rulings in *Tyree* and *Bellew* are distinguishable. *See Tyree v. Boston Scientific Corp.*, 54 F. Supp. 3d 501, 584 (S.D. W. Va. 2014); *Bellew v. Ethicon, Inc.*, No. 2:13-cv-22473, Memorandum Opinion and Order (Daubert Motions), Doc. 265 at 33 (S.D. W. Va. Nov. 20, 2014). While a single physician's experience may not be sufficient, it is sound methodology to rely upon a large pool of scientific literature and studies, combined with the

clinical experience and evaluation of many physicians and medical organizations, to support a conclusion that certain risks do not occur and therefore need not be included in the IFU, as Dr. Pramudji has done here. Indeed, when Plaintiffs' experts have concluded that risks do occur based on such support, they are allowed to testify that the risk should have been included in the mesh warnings. *Tyree*, 54 F. Supp. 3d at 561. In *Tyree*, Dr. Blaivas was permitted to testify as to whether any "inaccuracies or omissions could either deprive a reader or mislead a reader of what the risks and benefits" of the product was. *Id.* It stands to reason that an expert employing this same, or better, methodology, while reaching a different conclusion concerning the impact of a claimed omission on a trained surgeon, has also provided admissible testimony. That Plaintiffs may disagree with Dr. Pramudji's conclusion can be addressed on cross-examination.

Plaintiffs argue that Dr. Pramudji does not support her opinion on what pelvic floor surgeons know with any specific study or research, which is a far too restrictive reading of *Daubert*. Plaintiffs' Reply in Further Support of their Motion to Exclude Certain Opinions and Testimony of Christina Pramudji, MD [Doc. No. 2236] at 2-4. Yet they have likewise failed to identify any study that challenges Dr. Pramudji's assessment of what risks or complications are so obvious or so common to pelvic floor surgery that any surgeon attempting to perform surgery should know it. Some risks and complications are just so well understood that there is no reason to conduct a study to quantify them. In fact, this Court recognized that expert opinion based on clinical practice is "obviously ... not subject to testing or peer-review." *Huskey v. Ethicon, Inc.*, 29 F. Supp. 3d 691, 727 (S.D. W. Va. 2014). Nor does *Daubert* require such testing when an expert is relying upon her education, training and experience to form her opinions. *Id.* at 726. And Plaintiffs do not address the fact that Dr. Pramudji bases her opinions on her extensive review of the medical literature as set forth in her General Reports, which informs practitioners

who would use the device, as well as risks commonly taught in the training of the pelvic surgeon, which she is certainly qualified to give.

And just because some hypothetical physicians may overestimate their abilities to perform surgeries that they lack the training to perform does not render inadmissible generalizations about what someone who *is* qualified to perform such surgeries would know. *See* Plaintiffs' Reply [Doc. No. 2236] at 3-4. Such generalizations are not only proper but expressly approved of by the FDA regulations applying to warnings. Those regulations provide that information may be omitted from labeling "if, but only if, the article is a device for which directions, hazards, warnings and other information are **commonly known** to practitioners licensed by law to use the device." 21 C.F.R. §801.109(c) (emphasis added). Thus, the regulations themselves contemplate that some generalization of knowledge of the intended users is properly considered. Other than through testimony from such intended users, it would not be possible to meet this standard.

Given the established relevance of the knowledge of pelvic floor surgeons generally, and given Dr. Pramudji's unassailable education, training and experience as a pelvic floor surgeon, her extensive review of the medical literature which outlines risks that would inform the intended user, her review of the devices' professional education materials and her teaching to and interaction with other intended users concerning risks and the IFU, her testimony regarding such general knowledge and how such general knowledge impacts the interpretation of the product warnings by the intended user is proper.

B. Dr. Pramudji's opinion that polypropylene mesh does not degrade in vivo is further supported by recent medical literature.

This Court has previously ruled that Dr. Pramudji can testify about whether she has observed mesh degradation in her clinical practice. *Huskey v. Ethicon, Inc.*, 29 F. Supp. 3d 691,

726 (S.D. W. Va. 2014). Such opinions are proper given her considerable experience and her review of mesh images received from pathologists. *Id*.

In *Huskey*, Ethicon agreed that Dr. Pramudji would not testify regarding the chemical process of degradation of polypropylene. The same holds true here. However, Dr. Pramudji is qualified to opine beyond just the fact that she has not seen degradation in her clinical practice. She can also testify that the medical literature does not support the conclusion that polypropylene mesh degrades in vivo. *See*, *e.g.*, Ex. F, Pramudji Supplemental Reliance list for Wave 2 (*Shelton*).

Dr. Pramudji has reviewed extensive medical literature on this subject and routinely keeps up to date on such literature. See General Reports, Exs. B and C to Plaintiffs' Motion [Doc. No. 2035]; Reliance List, Ex. B to Ethicon's Response [Doc. No. 2153]; see, e.g., Ex. F, Supplemental Reliance List for Wave 2 (Shelton). For example, in her TVT General Report she outlines that "Degradation of the mesh has not been demonstrated by reliable data. While there have been reports of 'surface cracking' such as that described in the Clave 2010 paper, the authors there confirm that the phenomenon which was only observable in a minority of specimens could not be demonstrated on analytical chemical testing." Ex. B to Plaintiffs' Motion [Doc. No. 2035] at 62-63. "Moreover, the methodology of the paper was flawed and unable to rule out that the surface cracking was not biofilm. The data do not support that any surface cracking causes clinical symptoms.... Prospective studies have followed patients with implanted with TVT and TVT-O for 5-17 years and show excellent durability and safety with the use of the macroporous Prolene polypropylene sling. (citations omitted). Numerous data cited in my report show that the macroporous Prolene polypropylene tape is well tolerated and provides lasting efficacy for SUI." Id. at 63-64. After citing a host of medical literature and studies analyzing

the lack of degradation, Dr. Pramujdi properly opines that "[t]hese data are inconsistent with Plaintiff's experts' theories." *Id.* at 65. *See also* Ex. C to Plaintiffs' Motion [Doc. No. 2035] at 3 ("The data in women does not support that Gynemesh PS degrades, as reoperation rates for recurrence are low, cure rates and satisfaction is high, and complication rates are not consistent with degradation or that if it did degrade, it would have a clinically significant effect") and at 15-35, 40-46 (regarding the data which she has reviewed and which does not support Plaintiffs' degradation theory). As she testified in a recent deposition:

Q. You were asked a question about whether all of the general materials in your prior general report are the entire scope of your general opinions.

Do you recall a question somewhat along those lines?

A. Yes.

- Q. Doctor: Have you, since the time of your most recent general Gynemesh Prolift report, continued to review the literature with regard to those products?
- A. Yes.
- Q. And have you, in prior depositions, noted the additional materials that you have reviewed that don't change your opinion but are just further supportive of your opinions?
- A. Yes.

- Q. [Such as] The paper to be presented at IUGA on the lack of support for a degradation theory showing that the correct material is instead a biologic proteinaceous material?
- A. Yes.

Ex. B, Pramudji (7/12/16) Dep. (*Shelton*) at 61-62. As noted on Dr. Pramudji's updated reliance list and referenced in her above testimony, she has reviewed and considered a recent study that

shows that the substance on mesh explants that Plaintiffs' experts claim is degrading polypropylene is instead a protein layer produced by the human body. Ex. F, Supplemental Reliance list for Wave 2 (*Shelton*) at 28 (citing Ex. G, Ong, Thames, et.al, *The Myth: In Vivo Degradation of Polypropylene Meshes*, Int Urogynecol J (2016) 27 (Suppl 1):S37-38). This study specifically examined the flaking particles on explanted mesh, including cracked and uncracked regions, through numerous methods and found that the meshes did not undergo degradation; instead the particles and cracked layer were actually an adsorbed protein layer, i.e., a natural and well-known reaction by the human body to the implantation of a foreign device. *Id.* This study fully supports Dr. Pramudji's testimony that in vivo degradation of polypropylene mesh is not established in either her clinical experience or in the medical literature. Since such literature is the kind of information relied upon by clinicians like Dr. Pramudji in their medical practice, she is qualified to offer an opinion that not only has she never seen degradation of polypropylene mesh in her personal experience, but that the medical literature does not support such a finding.

In *Huskey*, this Court permitted Dr. Harry Johnson to testify to just that. *Huskey*, 29 F. Supp. 3d at 733-34. The basis for his opinion was Dr. Johnson's clinical experience and review of medical literature on the subject. *Id.* So, too, Dr. Pramudji should be permitted to testify that medical literature does not support that polypropylene mesh degrades.

As in *Trevino v. Boston Scientific Corp.*, 2016 WL 2939521, at *7 (S.D. W. Va. Apr. 28, 2016), Dr. Pramudji "considered and analyzed multiple scientific articles" and "drew on [her] clinical experience" to reach her opinion that polypropylene does not degrade. This Court found that this constitutes a "reliable, scientific methodology." *Id.* Thus, Dr. Pramudji is qualified to

opine on the lack of evidence that polypropylene degrades from both her clinical experience and from the medical literature, and her opinion meets *Daubert* criteria. *Id*.

CONCLUSION

For the reasons set forth above, and all reasons set forth in Ethicon's Response to Plaintiffs' Motion to Exclude Certain Opinions of Dr. Pramudji [Doc. No. 2153], the Court should deny Plaintiffs' Motion.

This the 8th day of August, 2016.

Respectfully submitted,

ETHICON, INC. AND JOHNSON & JOHNSON

/s/ David B. Thomas

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CERTIFICATE OF SERVICE

I certify that on August 8, 2016, I electronically filed this document with the Clerk of the Court using the CM/ECF system which will send notification of this filing to CM/ECF participants registered to receive service in this MDL.

/s/ Christy D. Jones
Christy D. Jones

EXHIBIT A



Total Pelvic Floor Repair System Anterior Pelvic Floor Repair System Posterior Pelvic Floor Repair System

System til total reparation af bækkenbund System til anterior reparation af bækkenbund System til posterior reparation af bækkenbund

Systeem voor reparatie van de gehele bekkenbodem Systeem voor reparatie van de anterieure bekkenbodem Systeem voor reparatie van de posterieure bekkenbodem

Totaali lantionpohjan korjausjärjestelmä Anteriorinen lantionpohjan korjausjärjestelmä Posteriorinen lantionpohjan korjausjärjestelmä

Système pour cure de prolapsus total Système pour cure de prolapsus antérieur Système pour cure de prolapsus postérieur

Totalprolaps-Beckenboden-Rekonstruktionssystem Anteriores Beckenboden-Rekonstruktionssystem Posteriores Beckenboden-Rekonstruktionssystem

Sistema di riparazione totale del pavimento pelvico Sistema di riparazione anteriore del pavimento pelvico Sistema di riparazione posteriore del pavimento pelvico

Sistema de reparação do pavimento pélvico total Sistema de reparação do pavimento pélvico anterior Sistema de reparação do pavimento pélvico posterior

Sistema de reparación del suelo pélvico total Sistema de reparación del suelo pélvico anterior Sistema de reparación del suelo pélvico posterior

System för total reparation av bäckenbotten System för reparation av främre delen av bäckenbotten System för reparation av bakre delen av bäckenbotten

Σύστημα ολικής αποκατάστασης πυελικού εδάφους Σύστημα αποκατάστασης πρόσθιου πυελικού εδάφους Σύστημα αποκατάστασης οπίσθιου πυελικού εδάφους

> Manufactured for: GYNECARE WORLDWIDE A division of ETHICON, INC. a Johnson Mohmson company

Somerville, New Jersey 08876-0151

Made in Switzerland ©ETHICON, INC. 2004 *Trademark

> Legal Manufacturer ETHICON, Sàr! Rue du Puits-Godet 20 CH-2000 Neuchâtel Switzerland P19070/B



Total Pelvic Floor Repair System Anterior Pelvic Floor Repair System Posterior Pelvic Floor Repair System

Please read all information carefully.

Failure to properly follow instructions may result in improper functioning of the devices and lead to injury.

CAUTION: Federal (USA) law restricts this device to sale by or on the order of a physician.

Training on the use of the GYNECARE PROLIFT* Pelvic Floor Repair Systems is recommended and available. Contact your company sales representative to arrange for this training.

Refer to the recommended surgical technique for the GYNECARE PROLIFT Pelvic Floor Repair Systems for further information on the GYNECARE PROLIFT procedures.

INDICATIONS

The GYNECARE PROLIFT Total, Anterior, and Posterior Pelvic Floor Repair Systems are indicated for tissue reinforcement and longlasting stabilization of fascial structures of the pelvic floor in vaginal wall prolapse where surgical treatment is intended, either as mechanical support or bridging material for the fascial defect.

DESCRIPTION

The GYNECARE PROLIFT Total, Anterior, and Posterior Pelvic Floor Repair Systems consist of pre-cut GYNECARE GYNEMESH* PS Nonabsorbable PROLENE* Soft Mesh implants and a set of instruments to facilitate mesh implant placement. The following table summarizes the instruments included with each system:

REPAIR SYSTEM		COMP	ONENTS	
	Mesh Implant	Guide	Retrieval Devices	Cannulas
Total	1 Total	1	6	6
Anterior	1 Anterior	1	4	4
Posterior	1 Posterior	1	2	2

Table 1 – GYNECARE PROLIFT Pelvic Floor Repair System Components

GYNECARE GYNEMESH PS

GYNECARE GYNEMESH PS is mesh constructed of knitted filaments of extruded polypropylene identical in composition to PROLENE Polypropylene Suture, Nonabsorbable Surgical Sutures, U.S.P. (ETHICON, INC.). This material, when used as a suture, has been reported to be non-reactive and to retain its strength indefinitely in clinical use. The mesh affords excellent strength, durability, and surgical adaptability, with sufficient porosity for necessary tissue ingrowth. Blue PROLENE monofilaments have been incorporated to produce contrast striping in the mesh. The mesh is constructed of reduced diameter monofilament fibers, knitted into a unique design that results in a mesh that is approximately 50 percent more flexible than standard PROLENE mesh. The mesh is knitted by a process which interlinks each fiber junction and which provides for elasticity in both directions. This construction permits the mesh to be cut into any desired shape or size without unraveling. The bi-directional elastic property allows adaptation to various stresses encountered in the body.

Total Mesh Implant

The Total mesh implant is constructed from GYNECARE GYNEMESH PS and is shaped for performing a total vaginal repair. The implant has 6 straps: 4 for securing the anterior portion of the implant via a transobturator approach and two for securing the posterior portion of the implant in the sacrospinous ligament via a transgluteal approach. Alternatively, the 2 posterior straps may be cut to reduce their length and secured in the sacrospinous ligament via a vaginal approach. The proximal and distal anterior straps have squared and triangular ends, respectively, while the posterior straps have rounded ends (see Figure 1).

Anterior Mesh Implant

The Anterior mesh implant is constructed from GYNECARE GYNEMESH PS and is shaped for repair of anterior vaginal defects. The implant has 4 straps that are secured via a transobturator approach. The proximal and distal anterior straps have squared and triangular ends, respectively (see Figure 1).

Posterior Mesh Implant

The Posterior mesh implant is constructed from GYNECARE GYNEMESH PS and is shaped for repair of posterior and/or apical vaginal vault defects. The implant has 2 straps that are secured in the sacrospinous ligament via a transgluteal approach. Alternatively, the 2 posterior straps may be cut to reduce their length and secured in the sacrospinous ligament via a vaginal approach. The posterior straps have rounded ends (see Figure 1).

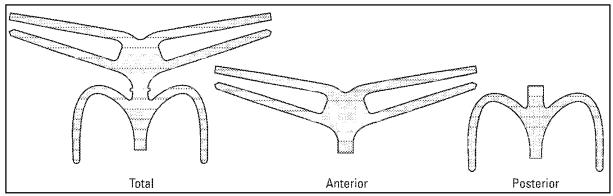


Figure 1 – Mesh Implants (Total, Anterior, and Posterior)

GYNECARE PROLIFT Guide

The GYNECARE PROLIFT Guide is a single-patient-use instrument designed to create tissue paths to allow placement of the Total, Anterior, and Posterior mesh implants and to facilitate placement of the GYNECARE PROLIFT Cannula. Its length and curvature are specifically designed to create proper placement paths for all mesh implant straps. The GYNECARE PROLIFT Guide is suitable for use on both sides of the patient (see Figure 2).

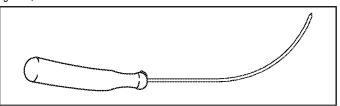
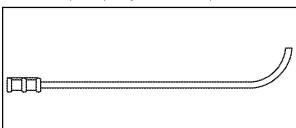


Figure 2 - GYNECARE PROLIFT Guide

GYNECARE PROLIFT Cannula

The GYNECARE PROLIFT Cannula is a single-patient-use instrument used in conjunction with the GYNECARE PROLIFT Guide to facilitate passage of the implant straps while protecting the surrounding tissue. Each GYNECARE PROLIFT Cannula is placed over the GYNECARE PROLIFT Guide prior to passage and remains in place after the GYNECARE PROLIFT Guide is withdrawn (see Figure 3).





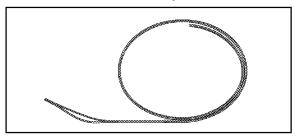


Figure 4 - GYNECARE PROLIFT Retrieval Device

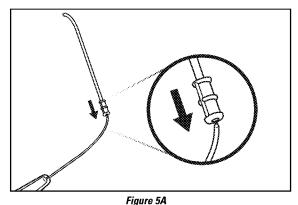
GYNECARE PROLIFT Retrieval Device

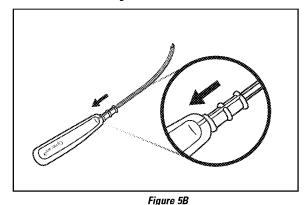
The GYNECARE PROLIFT Retrieval Device is a single-patient-use instrument designed to facilitate placement of the mesh implant straps. The GYNECARE PROLIFT Retrieval Device is passed through the previously positioned GYNECARE PROLIFT Cannula until its distal end is retrieved through the vaginal dissection. The distal end of the GYNECARE PROLIFT Retrieval Device has a loop to securely capture the mesh implant strap as the strap is drawn out through the GYNECARE PROLIFT Cannula (see Figure 4).

INSTRUCTIONS FOR USE

NOTE: All figures below are not intended to provide any clinical teaching and only demonstrate the general use of each device.

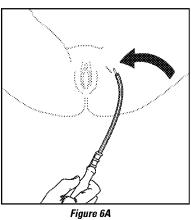
Placement of the the GYNECARE PROLIFT Cannula onto the GYNECARE PROLIFT Guide (See Figures 5A and 5B)

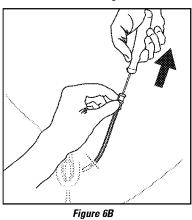


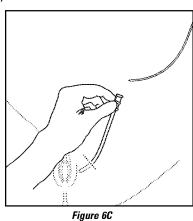


IMPORTANT: Ensure proper alignment of GYNECARE PROLIFT Cannula and GYNECARE PROLIFT Guide upon assembly as demonstrated in Figure 5B.

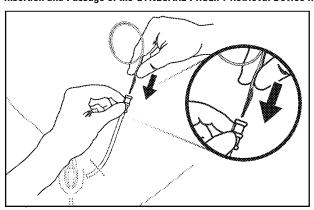
Placement of the GYNECARE PROLIFT Cannula into the Patient (See Figures 6A, 6B and 6C)







Insertion and Passage of the GYNECARE PROLIFT Retrieval Device into the GYNECARE PROLIFT Cannula (See Figures 7A and 7B)



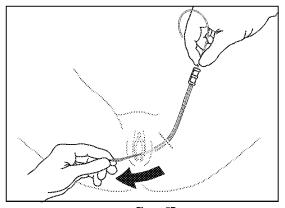
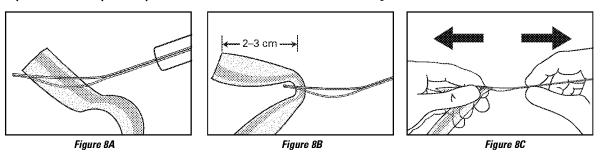


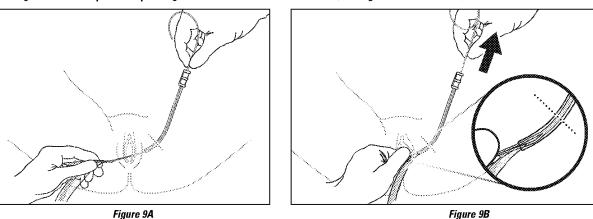
Figure 7A

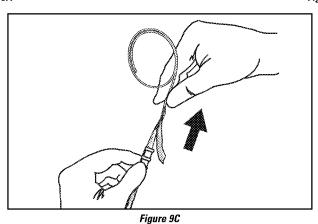
IMPORTANT: All provided GYNECARE PROLIFT Cannulas and GYNECARE PROLIFT Retrieval Devices should be placed prior to mesh implant installation.

Capture of a Mesh Implant Strap with GYNECARE PROLIFT Retrieval Device (See Figures 8A, 8B and 8C)



Passage of a Mesh Implant Strap through the GYNECARE PROLIFT Cannula (See Figures 9A, 9B and 9C)





IMPORTANT: Do not remove the GYNECARE PROLIFT Cannulas from the patient until the mesh implant has been properly positioned.

In the event that sutures, staples, or other fixation devices are used in conjunction with the mesh it is recommended that they be placed at least 6.5 mm (1/4") from the edge of the mesh.

PERFORMANCE

Animal studies show that implantation of GYNECARE GYNEMESH PS mesh elicits a minimum to slight inflammatory reaction, which is transient and is followed by the deposition of a thin fibrous layer of tissue which can grow through the interstices of the mesh, thus incorporating the mesh into adjacent tissue. The mesh remains soft and pliable, and normal wound healing is not noticeably impaired. The material is not absorbed, nor is it subject to degradation or weakening by the action of tissue enzymes.

CONTRAINDICATIONS

When GYNECARE GYNEMESH PS mesh is used in infants, children, pregnant women, or women planning future pregnancies, the surgeon should be aware that this product will not stretch significantly as the patient grows.

WARNINGS AND PRECAUTIONS

- Users should be familiar with surgical procedures and techniques involving pelvic floor repair and nonabsorbable meshes before employing the GYNECARE PROLIFT Pelvic Floor Repair Systems.
- Acceptable surgical practices should be followed in the presence of infected or contaminated wounds.
- Post-operatively the patient should be advised to refrain from intercourse, heavy lifting and/or exercise (e.g. cycling, jogging) until
 the physician determines when it is suitable for the patient to return to her normal activities.
- Avoid placing excessive tension on the mesh implant during handling.
- Refer to the recommended surgical technique for the GYNECARE PROLIFT Pelvic Floor Repair System for further information on the GYNECARE PROLIFT procedures.
- The GYNECARE PROLIFT Pelvic Floor Repair Systems should be used with care to avoid damage to vessels, nerves, bladder and bowel. Attention to patient anatomy and correct use of the device will minimize risks.
- Transient leg pain may occur and can usually be managed with mild analgesics.
- Do not manipulate the GYNECARE PROLIFT Retrieval Device with sharp instruments or cut it to alter its length.

ADVERSE REACTIONS

- Potential adverse reactions are those typically associated with surgically implantable materials, including infection potentiation, inflammation, adhesion formation, fistula formation, erosion, extrusion and scarring that results in implant contraction.
- Punctures or lacerations of vessels, nerves, bladder, urethra or bowel may occur during GYNECARE PROLIFT Guide passage and may require surgical repair.

STERILITY

The GYNECARE PROLIFT Pelvic Floor Repair Systems are sterilized by ethylene oxide. DO NOT RESTERILIZE. DO NOT REUSE. Do not use if package is opened or damaged. Discard all opened, unused devices.

DISPOSAL

Dispose of the devices and packaging according to your facility's policies and procedures concerning biohazardous materials and waste.

STORAGE

Recommended storage conditions: controlled room temperature and relative humidity (approximately 25°C, 60% RH), away from moisture and direct heat. Do not use after expiry date.

Symbols Used on Labeling

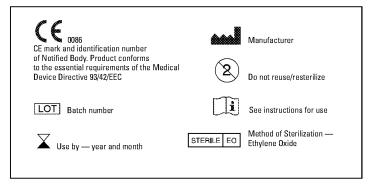




EXHIBIT B

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1
         IN THE UNITED STATES DISTRICT COURT
     FOR THE SOUTHERN DISTRICT OF WEST VIRGINIA
2
                 CHARLESTON DIVISION
    IN RE: ETHICON, INC. Master File No.
3
                             2:12-MD-02327
    PELVIC REPAIR SYSTEMS
4
    PRODUCTS LIABILITY LITIGATION MDL NO. 2327
5
     Mary Shelton, et al., JOSEPH R. GOODWIN
6
                              U.S. DISTRICT JUDGE
               Plaintiffs,
7
                              Case No. 2:12-cv-01707
     v.
8
     Ethicon, Inc., et al.,
9
               Defendants.
10
11
                 ORAL DEPOSITION OF
12
               CHRISTINA PRAMUDJI, M.D.
13
                Tuesday, July 12, 2016
14
15
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20
21
22
              GOLKOW TECHNOLOGIES, INC.
23
         ph 877.370.3377 | fax 917.591.5672
24
                   deps@golkow.com
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Page 50 Page 52 1 ¹ hours. erosion. 2 2 O. What's the basis of that A. Sure. 3 3 opinion? (Recess taken, 6:59 p.m. to 7:09 p.m.) A. Because an exposure is more after -- immediately after the surgery, when BY MS. COPELAND: the wound doesn't come together well. An Let's go back to page 5 of your O. erosion is further down the line where the report, which is Exhibit 2. Α. Okav. tissue is compromised and breaks down. In her case, it was compromised by the atrophy. Q. You indicate at number 5 or you 10 Other than the atrophy, the note at number 5 that Mrs. Shelton continues diabetes and the hysterectomy, do you believe to have mild urinary incontinence. 11 12 12 that there's anything that Mary Shelton did Do you see that? 13 herself to cause or contribute to the Yes. A. 14 exposure or erosion that she experienced? And you say it's common at her Q. 15 A. No. age and it is multifactorial. It does not 16 represent a failure or defect of the mesh. O. I've seen in some of the 17 records a diagnosis of diverticulosis. Do My question to you is: A 18 you recall that? failure or a defect of a mesh, is it a 19 A. I don't remember off the top of possibility of her -- a possible cause of her 20 20 recurrent incontinence? my head. 21 21 Is there anything about that No, I don't believe so, no. O. Α. 22 diagnosis, assuming it exists, that would O. So when you indicate that the have caused or contributed to Mary Shelton's urinary incontinence is multifactorial, what mesh erosion or exposure? do you mean? Page 51 Page 53 Well, as women age, urinary 1 A. No. incontinence becomes more common and it's due O. And I think I've also seen a diagnosis of or treatment for basal cell to urogenital atrophy, it's due to anatomical changes. There's numerous causes that can carcinoma on her chin. Do you recall seeing 5 that? occur. The diabetes is a factor that can 6 cause urinary incontinence. A. I don't remember that. 7 7 So there's many reasons why she O. Assuming that it's there, do you believe that that would cause or has urinary incontinence. 9 contribute to her mesh erosion or exposure? O. But mesh is not one of them? 10 10 A. A. Correct. 11 MS. COPELAND: How long have we You're aware of literature out O. 12 there that supports at least the possibility been going? 13 THE REPORTER: I can tell you. that mesh or mesh failure can be a cause of 57 minutes. 14 recurrent stress incontinence, correct? 15 15 MR. SNELL: Form and BY MS. COPELAND: 16 16 O. You know what I want to do? I foundation. 17 17 would like to take a break right now if it's A. I don't believe that the mesh 18 okay with you. causes it, but I believe that the anatomy can 19 A. Sure. change over time and the mesh cannot overcome 20 those changes in anatomy. Because I've been kind of 21 jumping all over the place, and then see if I 21 BY MS. COPELAND: 22 22 can pull it all together and wrap it up --Q. I'm not sure if I asked you 23 Sure. this earlier, and I apologize if I did. Is A. 24 there anything about Mary Shelton's medical O. -- well in advance of two

Page 54 Page 56 ¹ history, medical condition in 2002, at the ¹ expert, preceptorship work, advisory panels time of her implant, to suggest she was not a and moderating meetings or booths at AUA, have you done any other paid work on behalf proper candidate for either of the mesh products implanted in her body? of Ethicon, ever? 5 5 A. No. MR. SNELL: Object, form. 6 There was no warning or 6 Covered in prior depositions. O. 7 contraindication that you're aware of in Go ahead. either of the IFUs to suggest that those 8 Not that I can recall. Α. products should not have been implanted in 9 BY MS. COPELAND: her body, correct? 10 10 Okay. And that's all -- I'm 11 A. Correct. 11 just trying to get current, you know, so 12 I saw somewhere that you had 12 maybe something has changed since then, but done some work with Ethicon beyond serving as thank you. 14 an expert offering opinions on their behalf, MR. SNELL: I have no problem and what I noted was that you had done some 15 with current questions in that regard, preceptorship work for Ethicon? Is that 16 if that's what you're asking. 17 17 right? MS. COPELAND: Yeah, yeah. I'm 18 A. Correct. 18 just looking for anything new. 19 19 MR. SNELL: Yeah, I have no Q. And that involves teaching other physicians about the Ethicon 20 issue with current. I just thought I products --21 21 heard prior, sorry. 22 22 MS. COPELAND: And I could have A. Correct. 23 23 said it. Thank you. Q. -- and how to implant them, 24 right? BY MS. COPELAND: Page 55 Page 57 What I think that I'm going to 1 A. Yes. 1 do is I want to take -- the only thing that O. And how to decide what types of patients are appropriate and which ones are you brought that causes me any concern would not appropriate, correct? be the drives, since I can't see them. 4 5 5 A. Correct. MR. SNELL: They just have -- I 6 mean, I'll put it on the record. I'll 6 Have you done any preceptorship 7 make a representation. They just have work since -- on behalf of Ethicon since you 8 the medical records, all the medical have been hired to serve as an expert on 9 their behalf? 9 records and the depositions that would 10 10 Α. have been accumulated at that point. 11 MS. COPELAND: Case-specific 11 I noticed -- noted that you had O. 12 also served on some advisory panels for 12 only? 13 Ethicon. 13 MR. SNELL: Case-specific, 14 14 yeah, yeah, yeah. A. Yes, that's correct. 15 15 Have you been on any advisory MS. COPELAND: Okay. MR. SNELL: Let me plug it in. panels since you began working as an expert 16 16 17 17 on their behalf? MS. COPELAND: And then I'm not 18 18 No. sure what the position is or it's A. 19 19 And appearing at or moderating going to be, but what I would like to 20 meetings or booths or a booth at AUA, have do is I'm going to stop, but I want to 21 you done that since you've been hired as an 21 at least put it on the record, a 22 22 expert? reservation of my right to finish off 23 23 any untaken time to depose you on a A. No. 24 24 medical examination if you perform Q. Other than serving as an

Page 58 Page 60 1 ¹ and it changes or augments or change -- or one. 2 affects your opinion, will you let me know so I don't know that you can agree 3 I can let plaintiffs' counsel know? or disagree, but I want to reserve my 4 right to do that. A. Yes. 5 5 THE REPORTER: Are we still on MR. SNELL: Counsel, I believe 6 6 the record? Is there anything there was an updated or a supplemental 7 7 reliance list that was served a week further? 8 8 MR. SNELL: I'm just looking -or so ago. 9 9 MS. COPELAND: Oh, yeah? Okay. I'm sorry. 10 10 MS. COPELAND: Yeah, let's stay MR. SNELL: I don't know if you 11 on the record for a few minutes. 11 have it or if you want to attach it, 12 12 but I will put that on the record. MR. SNELL: So, Counsel, my 13 representation is accurate. I'm 13 MS. COPELAND: Can we go ahead 14 14 opening up the thumb drive, and all and just mark that as Exhibit 3? 15 that are on it are case-specific 15 MR. SNELL: Yeah. 16 medical records and transcripts from 16 MS. COPELAND: Why don't we 17 17 depositions. just do that. 18 MS. COPELAND: In this case. 18 MR. SNELL: Okay. I don't have 19 19 a copy of it, but I assume --MR. SNELL: In this case. 20 20 MS. COPELAND: Yeah, you said MS. COPELAND: We'll get one. 21 21 MR. SNELL: Okay. case-specific. 22 22 MR. SNELL: And they would be (Whereupon, Exhibit 23 23 contained and set forth, itemized in Pramudji-Shelton-3, Supplemental 24 24 the back of the materials list that Reliance List in Addition to Materials Page 59 Page 61 Referenced in Report Re Mary Shelton, 1 you discussed with the doctor earlier. 2 was marked for identification.) MS. COPELAND: Great. Okay. Then with the noting on the record of 3 BY MR. SNELL: 4 4 my reservation to continue this You were asked a question about 5 deposition if a medical examination is whether all of the general materials in your 6 taken or performed on Mary Shelton, I prior general report are the entire scope of 7 your general opinions. will pass the witness. 8 8 Do you recall a question **EXAMINATION** 9 BY MR. SNELL: somewhat along those lines? 10 Dr. Pramudji, I just have a few 10 A. Yes. 11 follow-up questions. 11 I'm paraphrasing because O. 12 You mentioned the rough draft plaintiffs' counsel's question was much more of Dr. Pizarro and that you had not had a 13 articulate than that one. chance to read that yet? Am I correct in 14 MS. COPELAND: One of them. 15 that regard? 15 BY MR. SNELL: 16 16 A. That's correct. Q. My question to you is this, 17 17 Doctor: Have you, since the time of your Q. Do you plan to review that deposition? most recent general Gynemesh Prolift report, 18 19 A. continued to review the literature with 20 Do you plan to review any other regard to those products? 21 depositions or medical records that become 21 A. Yes. 22 22 available between now and the time of trial? And have you, in prior 23 depositions, noted the additional materials A. 24 that you have reviewed that don't change your Q. And if you review any of those

	Christina op	Lai	
	Page 62		Page 64
1	opinion but are just further supportive of	1	Q. Do you recall being asked about
2	your opinions?	2	the plaintiff's shortened and narrowed
3	A. Yes.	3	vagina?
4	Q. Such as the recent AUGS, SUFU,	4	A. Yes.
5	AUA, SGS, National Incontinence Group,	5	Q. Was that a preexisting
6	position statement that was just released on	6	condition she had even before her 2002
7	midurethral slings?	7	surgeries with the Prolene and TVT?
8	A. Yes.	8	A. Yes, that's correct.
9	Q. The paper to be presented at	9	Q. Did you consider that in
10	IUGA on the lack of support for a degradation	10	formulating your differential diagnoses?
11	theory showing that the correct material is	11	A. Yes.
12	instead a biologic proteinaceous material?	12	Q. Was dyspareunia a preexisting
13	A. Yes.	13	medical condition?
14	MS. COPELAND: Objection, form.	14	A. Yes, it was.
15	BY MR. SNELL:	15	Q. And when I say "preexisting,"
16	Q. Do you recall the questions	16	I'm asking, did it preexist as well the
17	about the mesh erosion, in particular where	17	mesh-based repairs from 2002?
18	it was located?	18	A. Yes.
19	A. Yes.	19	Q. And did she have the
20	Q. I believe you testified it was	20	dyspareunia at the same time she had the
21	reported in the records to be 1-point	21	shortened and narrowed vagina before the 2002
22	strike that.	22	mesh-based repair surgeries with the TVT and
23	The mesh exposure or erosion	23	Prolene?
24	was reported to be approximately	24	MS. COPELAND: Form.
	Page 63		Page 65
1	Page 63 1-by-1 centimeters at the apex? Do you	1	Page 65 A. Yes.
1 2	1-by-1 centimeters at the apex? Do you	1 2	A. Yes.
	_		A. Yes. BY MR. SNELL:
2	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes.	2	A. Yes. BY MR. SNELL: Q. Did you consider that in
2 3	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the	2	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis?
2 3 4	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the site of the TVT, or was that the prolapsed	3 4	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis? A. Yes.
2 3 4 5	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the site of the TVT, or was that the prolapsed mesh?	2 3 4 5	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis? A. Yes. Q. You were asked a question about
2 3 4 5 6	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the site of the TVT, or was that the prolapsed mesh? A. That would be the prolapsed	2 3 4 5 6	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis? A. Yes. Q. You were asked a question about the recurrence noted in 2010 and plaintiff's
2 3 4 5 6 7	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the site of the TVT, or was that the prolapsed mesh? A. That would be the prolapsed mesh.	2 3 4 5 6 7	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis? A. Yes. Q. You were asked a question about the recurrence noted in 2010 and plaintiff's complaint of recurrent prolapse. My question
2 3 4 5 6 7 8	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the site of the TVT, or was that the prolapsed mesh? A. That would be the prolapsed mesh. Q. Do you recall being asked about	2 3 4 5 6 7	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis? A. Yes. Q. You were asked a question about the recurrence noted in 2010 and plaintiff's complaint of recurrent prolapse. My question to you is this: I believe in your report you
2 3 4 5 6 7 8	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the site of the TVT, or was that the prolapsed mesh? A. That would be the prolapsed mesh.	2 3 4 5 6 7 8	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis? A. Yes. Q. You were asked a question about the recurrence noted in 2010 and plaintiff's complaint of recurrent prolapse. My question
2 3 4 5 6 7 8 9	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the site of the TVT, or was that the prolapsed mesh? A. That would be the prolapsed mesh. Q. Do you recall being asked about whether or not generally mesh is supposed to	2 3 4 5 6 7 8 9	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis? A. Yes. Q. You were asked a question about the recurrence noted in 2010 and plaintiff's complaint of recurrent prolapse. My question to you is this: I believe in your report you note that the prolapse in 2010 was at a
2 3 4 5 6 7 8 9 10	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the site of the TVT, or was that the prolapsed mesh? A. That would be the prolapsed mesh. Q. Do you recall being asked about whether or not generally mesh is supposed to erode?	2 3 4 5 6 7 8 9 10	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis? A. Yes. Q. You were asked a question about the recurrence noted in 2010 and plaintiff's complaint of recurrent prolapse. My question to you is this: I believe in your report you note that the prolapse in 2010 was at a rectocele and enterocele?
2 3 4 5 6 7 8 9 10 11 12	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the site of the TVT, or was that the prolapsed mesh? A. That would be the prolapsed mesh. Q. Do you recall being asked about whether or not generally mesh is supposed to erode? A. Yes.	2 3 4 5 6 7 8 9 10 11	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis? A. Yes. Q. You were asked a question about the recurrence noted in 2010 and plaintiff's complaint of recurrent prolapse. My question to you is this: I believe in your report you note that the prolapse in 2010 was at a rectocele and enterocele? A. That's correct.
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the site of the TVT, or was that the prolapsed mesh? A. That would be the prolapsed mesh. Q. Do you recall being asked about whether or not generally mesh is supposed to erode? A. Yes. Q. Is erosion a potential risk of utilizing sutures? A. Yes. Q. Is it a potential risk of using biologic materials? A. Yes, it is. Q. Is it a potential risk of using	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis? A. Yes. Q. You were asked a question about the recurrence noted in 2010 and plaintiff's complaint of recurrent prolapse. My question to you is this: I believe in your report you note that the prolapse in 2010 was at a rectocele and enterocele? A. That's correct. Q. Where was the Prolene mesh used back in 2002? A. The Prolene mesh was used in the anterior compartment of the vagina to repair a cystocele, so it's a different wall of the vagina.
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the site of the TVT, or was that the prolapsed mesh? A. That would be the prolapsed mesh. Q. Do you recall being asked about whether or not generally mesh is supposed to erode? A. Yes. Q. Is erosion a potential risk of utilizing sutures? A. Yes. Q. Is it a potential risk of using biologic materials? A. Yes, it is. Q. Is it a potential risk of using autologous material? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis? A. Yes. Q. You were asked a question about the recurrence noted in 2010 and plaintiff's complaint of recurrent prolapse. My question to you is this: I believe in your report you note that the prolapse in 2010 was at a rectocele and enterocele? A. That's correct. Q. Where was the Prolene mesh used back in 2002? A. The Prolene mesh was used in the anterior compartment of the vagina to repair a cystocele, so it's a different wall of the vagina. Q. Would the rectocele/enterocele
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the site of the TVT, or was that the prolapsed mesh? A. That would be the prolapsed mesh. Q. Do you recall being asked about whether or not generally mesh is supposed to erode? A. Yes. Q. Is erosion a potential risk of utilizing sutures? A. Yes. Q. Is it a potential risk of using biologic materials? A. Yes, it is. Q. Is it a potential risk of using autologous material? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis? A. Yes. Q. You were asked a question about the recurrence noted in 2010 and plaintiff's complaint of recurrent prolapse. My question to you is this: I believe in your report you note that the prolapse in 2010 was at a rectocele and enterocele? A. That's correct. Q. Where was the Prolene mesh used back in 2002? A. The Prolene mesh was used in the anterior compartment of the vagina to repair a cystocele, so it's a different wall of the vagina. Q. Would the rectocele/enterocele noted in 2010 be a recurrence of that anterior colporrhaphy/replacement of Prolene mesh performed in 2002?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	1-by-1 centimeters at the apex? Do you recollect giving that testimony? A. Yes. Q. Was the mesh erosion at the site of the TVT, or was that the prolapsed mesh? A. That would be the prolapsed mesh. Q. Do you recall being asked about whether or not generally mesh is supposed to erode? A. Yes. Q. Is erosion a potential risk of utilizing sutures? A. Yes. Q. Is it a potential risk of using biologic materials? A. Yes, it is. Q. Is it a potential risk of using autologous material? A. Yes. Q. Is that all set forth in your	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes. BY MR. SNELL: Q. Did you consider that in formulating your differential diagnosis? A. Yes. Q. You were asked a question about the recurrence noted in 2010 and plaintiff's complaint of recurrent prolapse. My question to you is this: I believe in your report you note that the prolapse in 2010 was at a rectocele and enterocele? A. That's correct. Q. Where was the Prolene mesh used back in 2002? A. The Prolene mesh was used in the anterior compartment of the vagina to repair a cystocele, so it's a different wall of the vagina. Q. Would the rectocele/enterocele noted in 2010 be a recurrence of that anterior colporrhaphy/replacement of Prolene

Page 66 Page 68 BY MR. SNELL: 1 MS. COPELAND: Objection, form. 2 2 O. As far as that rectocele A. Yes. recurring, when did she first actually have BY MR. SNELL: her initial rectocele repair? And I'm Q. Did they warn of the risk of looking at your report at the top of page 2. inflammation? 6 6 A. 1986. A. Yes. 7 O. O. And then between 1986 and 2002, Based on your review of the 8 she also had numerous other rectocele literature -- strike that. Plaintiffs' counsel asked you 9 repairs? questions about your various professional 10 A. That's correct. education activities with Ethicon on their 11 Q. And then in 2010, she had 12 products. Do you recall that? 12 another rectocele noted? 13 That's correct. 13 A. Yes. A. 14 14 Does the IFUs also recommend a O. And would that be a recurrence Q. 15 of her earlier rectocele repairs and 15 surgeon undergo training? 16 16 preexisting history of a rectocele? A. Yes. 17 MS. COPELAND: Objection, form. 17 Does that professional O. 18 Yes, that's correct. education and training also warn or advise of A. the risk of erosion, extrusion, inflammation? 19 BY MR. SNELL: 20 20 MS. COPELAND: Objection, form. Q. Was the rectocele a documented 21 preexisting medical condition that she had A. Yes. 22 before the 2002 surgeries with the TVT and BY MR. SNELL: 23 the Prolene mesh for anterior repair? Q. Does it warn of other risks? 24 24 MS. COPELAND: Objection, form. MS. COPELAND: Objection, form. Page 67 Page 69 Yes, that's correct. 1 Α. A. Yes. 2 BY MR. SNELL: BY MR. SNELL: 3 You were asked about the Page 4 of your report, you cite to a paper by Iglesia regarding the use of defecatory dysfunction also that she reported at the same time as her rectocele in 2010. mesh in gynecologic surgery published in 1997. Do you see that? 6 Do you recall that? 7 7 A. Yes. Yes. A. 8 And you state, "As noted in my Q. And you testified it was not Q. 9 from the mesh. Do you recall that? general report, wound complications, scarring and dyspareunia are risks of all prolapse 10 A. Yes. What, if anything, do you surgeries that have been long reported in the 11 Q. 12 believe that that defecatory dysfunction was literature." Is that correct? 13 13 from? MS. COPELAND: Objection, form. 14 14 MR. SNELL: Objection, form. A. Yes. 15 I believe that was from the 15 A. BY MR. SNELL: recurrent rectocele. 16 "And are a basic part of pelvic 16 17 17 BY MR. SNELL: floor surgeon training." Do you recall that? 18 18 Okay. You were asked a A. Yes. 19 question about the IFUs and what it said or 19 Through your review of the Q. 20 literature over the years and your medical didn't say. 21 education and training, are you aware of what Do you recall that? risks or complications would be commonly 22 Yes. A. 23 Did the Prolene and TVT IFUs known to the intended users of these devices? 24 MS. COPELAND: Objection, form. warn of the risk of erosion, extrusion?

	Page 70		Page 72
1	11. 105.	1	mesh is also one of the prolapse surgeries to
2	BY MR. SNELL:	2	which you refer, correct?
3	Q. And would mesh	3	A. Correct.
4	erosion/exposure, dyspareunia, scarring, are	4	Q. So you would agree with me that
5	those risks that would be commonly known to	5	wound complications are a risk of mesh
6	the intended user of these devices at the	6	prolapse surgery, correct?
7	time of Mrs. Shelton's surgery?	7	MR. SNELL: Object, form.
8	MS. COPELAND: Objection, form.	8	Go ahead.
9	A. Yes.	9	A. Correct.
10	BY MR. SNELL:	10	BY MS. COPELAND:
11	Q. Is that based on your review of	11	Q. And scarring is a risk
12	the literature over decades as well as your	12	associated with mesh prolapse surgery,
13	experience and education as well as	13	correct?
14	professional education, teaching and training	14	A. Correct.
15	activities with the Ethicon products?	15	Q. And finally, dyspareunia is a
16	MS. COPELAND: Objection, form.	16	risk associated with mesh prolapse surgery,
17	A. Yes.	17	correct?
18	MR. SNELL: That's all I have.	18	A. Correct.
19	FURTHER EXAMINATION	19	MS. COPELAND: That's all I've
20	BY MS. COPELAND:	20	got. Thank you.
21	Q. It's not your opinion that the	21	THE WITNESS: Okay. Thank you.
22	Size o Etinoona satures atmizea m	22	MR. SNELL: That's all I have.
23	Mrs. Shelton at the time of her prolapse	23	THE REPORTER: The reporter
24	surgery with mesh was a cause or contributing	24	will put the elapsed time on the
	Page 71		Page 73
1	factor to her erosion or exposure, is it?	1	record, and we are off the record at
2	A. No.	2	7:31.
3	Q. Do you believe that there is	3	(Deposition recessed at
4	any biologic material that's ever been	4	7:31 p.m.)
5	implanted in Mrs. Shelton that caused or	5	REPORTER'S NOTE: Examination
6	contributed to her erosion or exposure?	6	time used by counsel is as follows:
7	A. No.	7	BY MS. COPELAND: 01:07:14
8	Q. What about autologous material?	8	BY MR. SNELL: 00:12:36
9	Do you believe that there's any autologous	9	oOo
10	material that's ever been used in any of her	10	
11	surgeries that caused or contributed to her	11	
12	exposure of crosion.	12	
13	A. No.	13	
14	Q. And then on page 4 of your	14	
15	report, going back to that citation to the	15	
16	Iglesia article, you would agree with me	16	
17	let me back up and just get this right.	17	
18	You note that wound	18	
19	complications, scarring and dyspareunia are	19	
20	risks of all prolapse surgeries that have	20	
1	long been reported in the literature,	21	
21	-		
22	correct?	22	
22	correct? A. Correct.	23	
22	correct? A. Correct.		

	Page 74	
1	CERTIFICATE	
2 3 4 5 6	I, SUSAN PERRY MILLER, Registered Diplomate Reporter, Certified Realtime Reporter, Certified Court Reporter and Notary Public, do hereby certify that prior to the commencement of the examination, CHRISTINA PRAMUDJI, M.D. was duly sworn by me to testify to the truth, the whole truth and nothing but the truth;	
8 9 10	That pursuant to Rule 30 of the Federal Rules of Civil Procedure, signature of the witness was not reserved by the witness or other party before the conclusion of the deposition;	
11 12 13	That the foregoing is a verbatim transcript of the testimony as taken stenographically by and before me at the time, place and on the date hereinbefore set forth, to the best of my ability.	
14 15 16	I DO FURTHER CERTIFY that I am neither a relative nor employee nor attorney nor counsel of any of the parties to this action, and that I am neither a relative nor employee of such attorney or counsel, and that I am not financially interested in the	
17 18	action.	
19	Susan Perry Miller	
20 21 22	Susan Perry Miller CSR-TX, CCR-LA, CSR-CA Registered Diplomate Reporter Certified Realtime Reporter Certified Realtime Captioner NCRA Realtime Systems Administrator Notary Public, State of Texas My Commission Expires 03/30/2016	
23 24	Dated: 18th of July, 2016	
_	•	
	Page 75	
1 2	Page 75 —————— LAWYER'S NOTES	
3	LAWYER'S NOTES	
3 4 5	LAWYER'S NOTES	
2 3 4 5 6 7	LAWYER'S NOTES	
3 4 5 6 7 8 9	LAWYER'S NOTES	
3 4 5 6 7 8	LAWYER'S NOTES	
3 4 5 6 7 8 9 10	LAWYER'S NOTES	
3 4 5 6 7 8 9 10 11 12 13	LAWYER'S NOTES	
3 4 5 6 7 8 9 10 11 12 13	LAWYER'S NOTES	
3 4 5 6 7 8 9 10 11 12 13 14 15 16	LAWYER'S NOTES	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	LAWYER'S NOTES	
3 4 5 6 7 8 9 10 11 12 13 14 15 16	LAWYER'S NOTES	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	LAWYER'S NOTES	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	LAWYER'S NOTES	

EXHIBIT C

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1
              UNITED STATES DISTRICT COURT
            SOUTHERN DISTRICT WEST VIRGINIA
                 CHARLESTON DIVISION
3
                         ) Master File
   IN RE: ETHICON, INC., ) No. 2:12-MD-02327
4 PELVIC REPAIR SYSTEM
                         ) MDL No. 2327
   PRODUCTS LIABILITY
                         ) JOSEPH R. GOODWIN
   LITIGATION
                   ) U.S. DISTRICT JUDGE
6
   THIS DOCUMENT RELATES TO
7
   PLAINTIFFS:
   Donna Bihlmeyer, et al v. )
8
   Ethicon, Inc., et al )
9
   Case No. 2:12-cv-02159
10
   ***************
11
12
                 VIDEO DEPOSITION OF
13
              CHRISTINA KLEIN PRAMUDJI, M.D.
14
                    June 9, 2016
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- 1 scarring that led to the vaginal stenosis. Was that
- ² scarring worse in the native tissue arm than the
- 3 Prolift arm?
- 4 A. Yes, it was.
- 5 MR. DARLEY: Object to form. Burt, can
- 6 we ask some non-leading questions here? I think that
- 7 would be appropriate.
- 8 Q. (By Mr. Snell) Plaintiff's counsel asked you
- 9 some questions about the early Prolift IFU. Do you
- 10 recollect that?
- 11 A. Yes.
- Q. And I believe you testified it was your
- 13 opinion that this IFU was adequate?
- 14 A. Yes.
- Q. And you identified to Plaintiff's counsel
- 16 that the IFU points to things like infection,
- 17 adhesions, scarring --
- MR. DARLEY: Object to form.
- 19 Q. (By Mr. Snell) -- and contraction. Is that
- 20 correct or not?
- 21 A. Yes, that's what I -- that's what I pointed
- 22 to.
- Q. And why is it your opinion that a pelvic
- 24 floor surgeon would understand that dyspareunia could

Q. And what is the significance, if any, of that

Page 96

- study?
 MR. DARLEY: Object to outside the scope
- 5 A. This study shows that, going back over 50
- 6 years, that pelvic floor surgeons are aware that
- ⁷ dyspareunia -- and I'm reading from the study -- are
- 8 well accepted complications of operations which
- ⁹ involve incision and suture of the vagina, that there
- 10 is tenderness of scars in the vaginal walls,
- shortening of the vagina, especially following vaginal
- 12 hysterectomy is an important factor, but the most
- 13 important cause -- obvious cause is narrowing of the
- 14 introitus and the vagina, which results from removal
- 15 of tissue as part of the cure of prolapse.
- Q. (By Mr. Snell) And does this study support
- 17 your opinion with regard to the adequacy of the IFU
- 18 for Prolift?

4 of direct.

- A. Yes, this shows that this is part of the
- 20 common knowledge and literature of pelvic floor
- 21 surgery, vaginal surgery.
- Q. And you -- I believe you mentioned in
- 23 response to Plaintiff's counsel's questions, you
- 4 mentioned the surgeon's monograph. Did I hear you

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- 1 flow from any of those complications?
- 2 A. Because we are trained to know that scarring
- 3 in the vagina and inflammation in the vagina will or
- 4 can, it may not, but it can cause dyspareunia. So
- 5 that is something that is a fundamental part of
- 6 training to pelvic floor surgeons.
- ⁷ Q. Is that -- do you know whether or not the
- 8 potential risk of dyspareunia from Prolift surgery,
- 9 whether or not that was something that was commonly
- 10 known in your field before Prolift came out in 2005?
- MR. DARLEY: Object to form.
- 12 A. Yes, that was commonly known to occur just
- 13 with the most fundamental surgery, such as an anterior
- 14 and posterior repair or a hysterectomy, which can be a
- 15 form of reconstruction if they have prolapse.
- Q. (By Mr. Snell) And in your general report
- 17 and in your materials list, do you point to any of the
- 18 medical literature that supports that opinion?
- 19 A. Yes.
- Q. I'd like to hand you a paper from one of the
- 21 boxes. Can you identify this for the record?
- A. Yes. This is a study dating back to 1961.
- 23 The first author is Winifred Francis and the title of
- 24 the study is Dyspareunia Following Vaginal Operations.

- Page 97
- 1 correctly?
- 2 A. Yes, I did.
- Q. Well, let me ask you this: Is the surgeon's
- 4 monograph part of professional education for Prolift?
 - A. Yes, it is.
- 6 Q. How do you know that?
- 7 A. Well, I was -- I did professional education
- 8 for Ethicon for many years, so I'm familiar with the
- 9 -- what was supplied during the education sessions,
- 10 the monograph, IFU, the slide presentations that were
- 11 -- that were given, because I was directly involved in
- ¹² educating other surgeons.
- Q. Did you do any professional education on
- 14 Prolift?
- 15 A. Oh, yes, I did, quite a bit.
- Q. During your professional education of the
 - ⁷ Ethicon devices, did you cover the instructions for
- 18 use?
- 19 A. Yes.
- O. And is that a form -- strike that.
- Is that part of the foundation of your
- 22 opinions about the adequacy of the IFU?
- 23 A. Yes.
- Q. And if you look at the very first page of the

Page 98

- 1 Prolift IFU that Plaintiff's counsel asked you about,
- ² it says: Training on the use of Gynecare Prolift
- 3 Pelvic Floor Repair Systems is recommended and
- 4 available.
- 5 Do you see that?
- 6 A. Yes.
- 7 Q. And would a pelvic floor surgeon going to the
- 8 Prolift professional education be informed about risk
- 9 of scarring, pain and dyspareunia, among others?
- MR. DARLEY: Object to form.
- 11 A. Yes, we would definitely educate the other
- 12 physicians about that.
- Q. (By Mr. Snell) And what is the basis of that
- 14 statement?
- 15 A. That's based on my experience and also just
- 16 going back and reviewing the slide presentations and
- the monograph and everything that was provided to the
- 18 surgeons.
- Q. I'm going to hand you the Prolift monograph
- 20 that I believe you referenced. Can you tell us
- 21 whether that -- whether or not the Prolift monograph
- supports your opinion that the IFU is adequate?
- MR. DARLEY: Object to form. Leading.
- 24 A. Yes, it --

- Page 100
- 1 counsel that you would like to do an IME since
- ² Dr. Galloway was afforded that opportunity last week?
- 3 A. Yes, I believe I provided dates two or three
- 4 weeks ago to open up for an IME, but she was not made
- 5 available for that. I would still like that
- 6 opportunity.
 - MR. DARLEY: Object to form. Move to
- 8 strike that. Go ahead, Burt.
- MR. SNELL: Now, I don't -- Counsel, you
- 10 can correct me if I'm wrong, but I don't believe
- 11 Dr. Galloway has been deposed yet or maybe he's being
- 12 deposed pretty soon.
 - MR. DARLEY: I think today, actually.
- 14 MR. SNELL: Okay.
- Q. (By Mr. Snell) Dr. Pramudji, do you intend
- to review and comment about Dr. Galloway's deposition
- 17 testimony, if at all?
- 18 A. Yes.

13

- 19 Q. Okay. Given the data cited in your report at
- 20 Page 6 and 7 and the randomized control trials you've
- 21 referenced, are you able to rule out the mesh as being
- ²² a cause of her dyspareunia and pelvic pain?
- 23 A. Yes.
- MR. DARLEY: Object to form.

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- MR. SNELL: Well, it's a whether or not,
- 2 so it's one way or the other.
- ³ Q. (By Mr. Snell) Go ahead.
- 4 A. Yes, it does support my opinion.
- 5 Q. Can you tell us why, if at all?
- 6 A. Yes. The monograph goes into great detail in
- ⁷ the risks of dyspareunia and vaginal pain with the
- 8 Prolift System. It has almost a full page of
- 9 information regarding that provided to the surgeons.
- 10 It has a graph and it has literature articles to cite
- 11 back to if the surgeons wanted more information.
- Q. You were asked some questions about
- 13 Dr. Galloway's recent IME of the Plaintiff. Do you
- 14 recollect that?
- 15 A. Yes.
- Q. Do you have an understanding as to when
- 17 Dr. Galloway did his IME?
- A. Yes. It was last week, June 3rd, 2016.
- Q. Do you put much weight on Dr. Galloway's IME
- 20 considering what -- considering his inability to do an
- 21 adequate exam that you mentioned on numerous
- 22 occasions?
- 23 A. No, I don't.
- Q. And I think you made it clear to Plaintiff's

Q. (By Mr. Snell) What do you believe to be the

Page 101

- ² cause of her pelvic pain and dyspareunia?
- 3 MR. DARLEY: Object to form.
- 4 A. I believe that her pelvic pain and
- 5 dyspareunia is due to scarring from the hysterectomy
- 6 and the pelvic floor reconstruction and in recent
- 7 months or years is due to the vaginal atrophy that she
- 8 has developed over the last few years.
- 9 Q. (By Mr. Snell) And for the vaginal atrophy
- 10 that you mentioned, is that a treatable condition?
- 11 A. Yes, it is.
- 12 Q. How, if at all, would you recommend
- 13 Mrs. Bihlmeyer consider treating the atrophy?
 - A. I would recommend that she use either a
- ¹⁵ vaginal cream, like Premarin cream or Estrace cream,
- 16 she could use a vaginal tablet, such as Vagifem or she
- ¹⁷ could use Osphena, which is an oral tablet. And any
- of those treatments would improve her vaginal wall
- 19 health and the sensations would improve.
- MR. SNELL: That's all I have. Thank
- 21 you.

- 22 EXAMINATION
- 23 QUESTIONS BY MR. DARLEY:
 - Q. Dr. Pramudji, I've just got a couple more

1	Page 106
1	I, CHRISTINA KLEIN PRAMUDJI, M.D, have read the
1	foregoing deposition and hereby affix my signature
2	that same is true and correct, except as noted above.
3	•
4	
5	
	CHRISTINA KLEIN PRAMUDJI, M.D
6	
7	THE CTATE OF
	THE STATE OF
	COUNTY OF, on this
9	Before me,, on this
10	day personally appeared CHRISTINA KLEIN PRAMUDJI, M.D., known to me (or proved to me under oath or through
1 10	
111	card or other document) to be the person whose name is
	subscribed to the foregoing instrument and
12	acknowledged to me that they executed the same for the
	purposes and consideration therein expressed.
13	Given under my hand and seal of office this
	day of,
14	
15	
16	
17	
	NOTARY PUBLIC IN AND FOR
18	THE STATE OF
	COMMISSION EXPIRES:
19	
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	Page 107
1	Page 107
1	THE STATE OF TEXAS:
1 2	
2	THE STATE OF TEXAS: COUNTY OF FT. BEND: I, Tamara Vinson, a Certified Shorthand
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE STATE OF TEXAS: COUNTY OF FT. BEND: I, Tamara Vinson, a Certified Shorthand Reporter and Notary Public in and for the State of Texas, do hereby certify that the facts as stated by me in the caption hereto are true; that the above and foregoing answers of the witness, CHRISTINA KLEIN PRAMUDJI, M.D., to the interrogatories as indicated were made before me by the said witness after being first duly sworn to testify the truth, and same were reduced to typewriting under my direction; that the above and foregoing deposition as set forth in typewriting is a full, true, and correct transcript of the proceedings had at the time of taking of said deposition. I further certify that I am not, in any capacity, a regular employee of the party in whose behalf this deposition is taken, nor in the regular employ of his attorney; and I certify that I am not interested in the cause, nor of kin or counsel to either of the parties. GIVEN UNDER MY HAND AND SEAL OF OFFICE, on this, the day of June, 2016.
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EXHIBIT D

Reviews

Complication and Reoperation Rates After Apical Vaginal Prolapse Surgical Repair

A Systematic Review

Gouri B. Diwadkar, MD, Matthew D. Barber, MD, MHS, Benjamin Feiner, MD, Christopher Maher, MD, and J. Eric Jelovsek, MD

OBJECTIVE: To compare postoperative complication and reoperation rates for surgical procedures correcting apical vaginal prolapse.

DATA SOURCES: Eligible studies were selected through an electronic literature search covering January 1985 to January 2008 using PubMed, the Cochrane Central Register of Controlled Trials, the Cochrane Database of Systematic Reviews, and the Database of Abstracts of Reviews and Effects.

METHODS OF STUDY SELECTION: Only clinical trials and observational studies addressing apical prolapse repair and recurrence or complication rates were included. The search was restricted to original articles published in English with 50 or more participants and a follow-up period of 3 months or longer. Oral platform and poster presentations from the American Urogynecological Society, the Society for Gynecologic Surgeons, the International Urogynecological Association, and the International Continence Society from January 2005 to December 2007 were hand searched to determine whether they were eligible for inclusion.

TABULATION, INTEGRATION, AND RESULTS: Procedures were separated into three groups: traditional vaginal surgery, sacral colpopexy, and vaginal mesh kits. Complications were classified using the Dindo grading system. Weighted averages were calculated for each Dindo grade, complication, and reoperation. Dindo

From the Cleveland Clinic, Cleveland, Ohio; and Wesley Hospital, Brisbane, Queensland, Australia.

Presented at the American Urogynecologic Society 29th Annual Scientific Meeting, September 4-6, 2008, Chicago, Illinois.

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Financial Disclosure

The authors did not report any potential conflicts of interest.

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grade IIIa (433/3,425 women) and IIIb (245/3,425) rates were highest in the mesh kit group owing to higher rates of mesh erosion (198/3,425) and fistulae (8/3,425). Reoperation rates for prolapse recurrence were highest in the traditional vaginal surgery group (308/7,827). The total reoperation rate was greatest in the mesh kit group (291/3, 425, 8.5%).

CONCLUSION: The rate of complications requiring reoperation and the total reoperation rate was highest for vaginal mesh kits despite a lower reoperation rate for prolapse recurrence and shorter overall follow-up. (Obstet Gynecol 2009;113:367–73)

elvic organ prolapse often involves a combination of support defects involving the anterior, posterior, and apical vaginal segments. There is growing recognition that adequate support for the vaginal apex is an essential component of a durable surgical repair for women with advanced prolapse.1-3 The Surgery for Pelvic Organ Prolapse Committee of the 3rd International Consultation on Incontinence noted that "the apex is the keystone of pelvic organ support...the best surgical correction of the anterior and posterior walls is doomed to failure unless the apex is adequately supported."1 Restoring the anatomy of the vaginal apex by apical suspension can be achieved by several techniques, with the "gold standard" being sacral colpopexy. 4 Traditional vaginal approaches include sacrospinous ligament fixation, uterosacral ligament suspension, iliococcygeus muscle suspension, and McCall's culdoplasty. More recently, commercially available vaginal mesh kits that use trocars to place permanent mesh transvaginally have gained in popularity.⁵ However, none of these techniques is without risks for complications or prolapse recurrence.

Data are lacking that compare complication and recurrence rates of traditional procedures with vaginal mesh kits. We hypothesize the following: 1) sacral

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colpopexy and traditional vaginal surgeries have fewer operative complications compared with vaginal mesh kits, and 2) recurrent prolapse rates are higher in the traditional vaginal surgery group compared with the vaginal mesh kit group. The objective of this meta-analysis is to compare complication and prolapse recurrence rates after sacral colpopexy, traditional vaginal surgeries, and vaginal mesh kits that aim to repair prolapse of the vaginal apex.

SOURCES

Eligible studies were selected through an electronic literature search from January 1985 to January 2008 using PubMed, the Cochrane Central Register of Controlled Trials, the Cochrane Database of Systematic Reviews, the Database of Abstracts of Reviews and Effects, and the ACP Journal Club. The search strategy was formulated and conducted with the assistance of a professional medical research librarian. Search terms included the following keywords and phrases: "vaginal prolapse and surgery," "uterine prolapse and (complications or prevention) and (control or surgery or therapy)," "uterosacral," "sacrospinous," "sacrospinous ligament," "sacrocolpopexy," "sacral colpopexy," "colpopexy," "sacropexy," "sacrouteropexy," "iliococcygeus," "prolift," "apogee," "avaulta," "vaginal vault and prolapse," "apical vaginal and prolapse," "vaginal mesh," and "vaginal mesh and prolapse." Keywords appeared in the title, abstract, or both.

STUDY SELECTION

The search was restricted further to original articles published in English that included 50 or more participants and had a follow-up period of 3 months or longer. Only clinical trials and observational studies addressing apical prolapse repair and associated recurrence or complication rates were included. Case reports were excluded. If data were published in multiple studies, the study with the longest follow-up period was selected for inclusion. Oral platform and poster presentations from the American Urogynecological Society, the Society for Gynecologic Surgeons, the International Urogynecological Association, and the International Continence Society from January 2005 to December 2007 were hand searched to determine whether they were eligible for inclusion. Reference lists from review articles and sentinel trials were searched for additional studies.

Two independent reviewers assessed eligibility and abstracted data from each study. In cases of discordance between reviewers regarding study eligibility, differences were discussed until a consensus was reached. If unable to reach a consensus, a third reviewer intervened to make a final decision. Data were abstracted using a standardized form. Meta-Analysis of Observational Studies in Epidemiology guidelines were followed.⁶

The studies were separated into three groups: 1) traditional vaginal procedures, 2) sacral colpopexy, and 3) vaginal mesh kits. Traditional procedures included uterosacral ligament suspension, sacrospinous ligament suspension, iliococcygeus fascial suspension, and McCall's culdoplasty. The sacral colpopexy group included standard sacral colpopexies as well as sacrocervicopexies and sacrohysteropexies by laparoscopy or laparotomy. The vaginal mesh kit group included Apogee (American Medical Systems, Inc., Minnetonka, MN), Posterior Gynecare Prolift System and Total Gynecare Prolift System (Ethicon Women's Health and Urology, Somerville, NJ), Total Vaginal Mesh and Posterior Intravaginal Slingplasty (Tyco Healthcare, United States Surgical, Norwalk, CT), and other miscellaneous transvaginal approaches to support the apex involving permanent mesh. For Total Prolift, we attempted to distinguish between the anterior and apical (includes Posterior Prolift) outcomes. Studies were excluded if it was difficult to make this distinction clearly. In the case of a study with multiple treatment arms, each arm was classified into one of the corresponding groups outlined above.

Complications were classified using the Dindo grading guidelines, which is a valid surgical-complication grading system based on the invasiveness of an intervention used to treat a complication (Table 1). For complications that were unable to be classified clearly using this system, a Dindo grade was assigned before abstraction to prevent discrepancies between reviewers. Because hemorrhage rarely was defined by authors, any reported case of "hemorrhage" or "hematoma" was classified as a "hemorrhage" for the purposes of this study. Pulmonary complications included any case of pneumonia, acute respiratory distress syndrome, or pulmonary edema. Cardiac complications included myocardial infarction, congestive heart failure, and arrhythmias. Injuries to the bowel, bladder, or ureters were classified as "visceral injuries." Complications excluded from the metaanalysis included bladder symptoms unrelated to visceral injury, fecal incontinence, complications unrelated to the apical prolapse surgery such as anesthesia complications (eg, spinal headache), and complications that unequivocally resulted from concomitant procedures. Treatment was not always specified for patients with mesh erosion. Therefore, we assumed



Table 1. Dindo Grading

Dindo Grade	Criteria
I*	Any deviation from the normal postoperative course without the need for pharmacological treatment or surgical, endoscopic, or radiological interventions Includes wound infections opened at the bedside Includes drugs such as antiemetics, antipyretics, analgesics, diuretics, electrolytes, and physiotherapy
II	Requiring pharmacological treatment with drugs other than those allowed for grade I complications Includes blood transfusions and total parenteral nutrition
IIIa	Requiring surgical, endoscopic, or radiological intervention not under general anesthesia
IIIb	Requiring surgical, endoscopic, or radiological intervention under general anesthesia
IVa	Life-threatening complication requiring intensive care unit management—single organ dysfunction (includes dialysis)
IVb	Life-threatening complication requiring intensive care unit management–multiorgan dysfunction
V	Death

Dindo D, Demartines N, Clavien PA. Classification of surgical complications: a new proposal with evaluation in a cohort of 6336 patients and results of a survey. Ann Surg 2004;240:205–13. Copyright 2004 Lippincott Williams & Wilkins.

that 50% of participants were treated medically (Dindo II) and the remaining 50% were treated surgically under anesthesia (Dindo IIIb). If erosion management was treated in the office setting, 50% of participants were assumed to be treated medically (Dindo II) and the remaining participants were treated surgically without general anesthesia (Dindo IIIa). Sensitivity analyses were performed, varying these rates between 25% and 75% to evaluate the effect of our a priori assumptions. Because multiple prolapse grading systems and varying definitions of prolapse recurrence were used throughout the studies, we could not compare anatomic prolapse recurrence between the surgical groups. However, we were able to collect reoperations for prolapse recurrence. Weighted averages and confidence intervals were calculated for Dindo grades, complications, reoperations for prolapse recurrence, and total reoperations (complications treated surgically under general anesthesia [Dindo IIIb] and surgery for prolapse recurrence). Because the focus of this report is on complications and there were few clinical trials comparing the three approaches, no other formal meta-analytic techniques were used beyond the weighted averages described above. Statistics were calculated using JMP 7.0 (SAS Institute, Cary, NC).

RESULTS

A total of 249 peer-reviewed articles and 19 conference abstracts met the initial search criteria. Of those, 162 articles were excluded by reviewers because they did not meet the predefined inclusion criteria. A total of 106 studies were included in the meta-analysis, of which 19 were conference abstracts. The characteristics of included and excluded studies are in the Appendix, available online at http://links.lww.com/A646. Table 2 summarizes the weighted averages and

confidence intervals for complications, Dindo grades, prolapse reoperation rates, and total reoperation rates.

The traditional vaginal surgery group included 7,827 patients from 48 studies and had the longest follow-up period of 32.6±19.8 months. Of the 48 studies, 35 addressed sacrospinous ligament suspension, eight uterosacral ligament suspension, three iliococcygeus suspension, and two McCall's culdoplasty. The mean total complication rate for this group was 15.3% (range 0-52.8). The majority of complications in this group required pharmacologic intervention (6.9%) or did not require any intervention (6.2%). The most common complications included urinary tract infection (3.5%), hemorrhage or hematoma (2.8%), and dyspareunia (1.5%). Four cases of cerebral ischemia were reported in this group. However, it is unclear whether this complication was due to a preexisting medical condition or was a result of the surgery itself. The reoperation rate for prolapse recurrence was highest (3.9%, range 0-29.1) in this group compared with the other two surgical groups. However, the total reoperation rate, including reoperations for complications as well as prolapse, was the lowest (5.8%, range 0-29.2).

The sacral colpopexy group included 5,639 patients from 52 studies, with mean follow-up of 26.5 ± 20.1 months. Thirty-nine studies addressed sacral colpopexy by laparotomy, 10 laparoscopic sacral colpopexy, and three sacrohysteropexy. This group had the highest mean total complication rate of 17.1% (range 0–52.2). Similar to the traditional vaginal surgery group, the majority of complications were managed with pharmacologic intervention (5.8%) or no intervention (5.5%). Pain (2.3%), mesh erosion (2.2%), visceral injury (1.7%), and wound complica-



^{*} Hematoma, pain, dyspareunia, and fever were assigned Dindo grade I if intervention was not specified.

Table 2. Weighted Averages and Confidence Intervals of Complications, Dindo Grades, Prolapse Reoperation Rates, and Total Reoperation Rates

	Traditional Vaginal Repair*	Sacral Colpopexy	Mesh Kits
Number of studies [†]	48	52	24
Number of patients	7,827	5,639	3,425
Mean follow-up (mo±SD)	32.6 ± 19.8	26.5 ± 20.1	17.1 ± 13.8
Dindo grade I	6.2 (5.7–6.7), 0–52.8	5.5 (4.9-6.1), 0-52.2	3.9 (3.3-4.6), 0-23.1
Dindo grade II	6.9 (6.4–7.6), 0–34.7	5.8 (5.2–6.4), 0–25.9	2.2 (1.7–2.7), 0–14.8
Dindo grade IIIa	0.2 (0.1–0.4), 0–2.1	1.0 (0.7–1.2), 0–8.3	1.3 (0.9–1.6), 0–12.7
Dindo grade IIIb	1.9 (1.7–2.3), 0–12.0	4.8 (4.2–5.4), 0–28.2	7.2 (6.3–8.0), 0–21.2
Dindo grade IVa, b	0.1 (0-0.1), 0-1.0	0.0 (0-0.07), 0.0	0.0 (0-0.1), 0.0
Dindo grade V	0.1 (0-0.1), 0-0.7	0.0 (0-0.07), 0.0	0.0(0-0.1), 0.0
Mesh erosion or infection	0.5 (0.3–0.6), 0–20.0	2.2 (1.8–2.6), 0–28.2	5.8 (5-6.6), 0-21.2
Visceral injury [‡]	1.0 (0.8–1.3), 0–5.9	1.7 (1.3–2.0), 0–10.7	1.1 (0.7–1.4), 0–5.0
Cystotomy	0.4 (0.2–0.5), 0–5.9	1.0 (0.8–1.3), 0–10.7	0.7 (0.4–1.0), 0–4.3
Ureteral injury	0.3 (0.2–0.4), 0–3.5	0.2 (0.1–0.3), 0–1.6	0.1 (0-0.1), 0-1.0
Bowel injury	0.4 (0.3–0.5), 0–3.1	0.5 (0.3–0.7), 0–3.6	0.3 (0.1–0.5), 0–5.0
Pain§	1.6 (1.3–1.9), 0–38.9	2.3 (1.9–2.6), 0–25.0	2.5 (2.0–3.0), 0–23.1
Buttock pain	1.0 (0.8–1.3), 0–52.8	0.0 (0-0.07), 0-5.9	0.4 (0.2–0.7), 0–8.3
Dyspareunia	1.5 (1.2–1.8), 0–38.9	1.5 (1.1–1.8), 0–22.8	2.2 (1.7–2.7), 0–23.1
Fistula	0.1 (0-0.1), 0-1.5	0.0 (0-0.07), 0-0.8	0.2(0.1-0.4), 0-4.2
Hemorrhage or hematoma	2.8 (2.5–3.3), 0–19.6	1.6 (1.3–1.9), 0–11.5	1.1 (0.7–1.4), 0–3.0
Wound complications	0.5 (0.4–0.7), 0–10.8	1.5 (1.2–1.8), 0–16.8	0.2(0-0.3), 0-7.5
Pelvic abscess	0.2 (0.1-0.3), 0-1.4	$0.1\ (0-0.2),\ 0-3.2$	0.1 (0-0.2), 0-3.3
Lower extremity neuropathy	0.4 (0.3–0.6), 0–7.5	0.2 (0.1–0.3), 0–0.5	0.0(0-0.1), 0.0
Urinary tract infection	3.5 (3.1–3.9), 0–34.8	2.1 (1.8–2.5), 0–25.9	0.8 (0.5–1.2), 0–14.8
Pulmonary embolism or deep vein	0.1 (0.1–0.2), 0–2.2	0.3 (0.1–0.4), 0–3.2	0.0(0-0.1), 0-1.4
thrombosis	, ,,		, , ,
Pulmonary complications	0.5 (0.4-0.7), 0-14.0	0.1 (0.1–0.4), 0–0.7	$0.0\ (0-0.1),\ 0.0$
Cardiac complications	0.2 (0.1–0.3), 0–2.2	0.2 (0.1–0.3), 0–3.3	0.0 (0-0.1), 0.0
Total complication rate	15.3 (14.7–16.3), 0–52.8	17.1 (16.1–18.1), 0–52.2	14.5 (13.3–15.7), 0–23.1
Reoperation for prolapse recurrence	3.9 (3.5–4.4), 0–29.1	2.3 (1.9–2.7), 0–31.3	1.3 (1.0–1.7), 0–16.0
Total reoperation rate [¶]	5.8 (5.3–6.3), 0–29.2	7.1 (6.4–7.8), 0–26.2	8.5 (7.6–9.4), 0–30.0

SD, standard deviation.

Data are % (95% confidence interval), range unless otherwise specified.

tions (1.5%) were the most common complications. There were 31 cases of dehiscence in the sacral colpopexy group compared with seven and four in the traditional vaginal surgery and mesh kit groups, respectively. Pulmonary emboli and deep vein thrombosis cases were reported more commonly after sacral colpopexy.

The vaginal mesh kit group included 3,425 patients from 24 studies, with a mean follow-up of 17.1 ± 13.8 months. The mean total complication rate for this group was 14.5% (range 0-23.1). In contrast to the traditional vaginal surgery and sacral colpopexy groups, the majority of complications in this group required surgical intervention under general anesthesia (Dindo grade IIIb). Mesh erosion or infection was the most common complication (5.8%). Twenty-five

studies from all three groups, including four of the 24 studies in the vaginal mesh kit group, did not report how they managed these erosions, and it was assumed that 50% were managed in the operating room (Dindo IIIb).8-32 Sensitivity analyses revealed no substantial effect on rates of reoperation for complications by varying this assumed proportion between 25% and 75%. Although fistulae were reported rarely (0.2%, range 0-4.2), the rate was highest for this group. Although pain-related complications were common in the sacral colpopexy group, dyspareunia rates were highest in the mesh kit group (2.2%, range 0-23.1). The reoperation rate for recurrent prolapse was lowest (1.3%, range 0-16.0) in the vaginal mesh kit group, although follow-up was shortest in this group. Additionally, the total reoperation rate was the highest

^{*} Includes sacrospinous ligament suspension, uterosacral ligament suspension, iliococcygeus muscle suspension, and McCall's culdoplasty.

[†] Ten studies included multiple cohorts from different procedure groups.

^{*} Includes cystotomy, ureteral injury, and bowel injury.

[§] Includes buttock pain, dyspareunia, and unspecified pain.

Includes wound infections, vaginal cuff infections, and vaginal and abdominal wound dehiscences.

[¶] Includes reoperations for complications (Dindo IIIb) and prolapse recurrence.

(8.5%, range 0-30.0) because of a higher rate of reoperations for complications such as mesh erosion.

CONCLUSION

The findings of this meta-analysis demonstrate that total complication rates appear to be similar for traditional vaginal surgeries, sacral colpopexies, and vaginal mesh kits for the treatment of apical prolapse. However, despite having the shortest follow-up period out of the three groups, the reoperation rate for complications and total reoperation rate (including complications and prolapse recurrences) was highest in the vaginal mesh kit group. Most of these reoperations are necessitated by fistulae and mesh erosions. These complications are difficult to prevent, affect quality of life, and often are not managed medically. Although visceral injury and mesh erosion also led to reoperations in the sacral colpopexy and traditional vaginal surgery groups, the majority of all complications in these groups was managed pharmacologically. An additional key finding was that, despite the longer follow-up and greater number of participants, there was a lower total complication rate in the traditional vaginal surgery group compared with sacral colpopexy. The relatively higher rate of visceral injuries and wound complications in the sacral colpopexy group is likely attributed to the abdominal approach.

Our results are consistent with most past reviews of traditional vaginal surgeries and sacral colpopexy, and the few inconsistencies can be explained easily. Nygaard et al report the reoperation rate for prolapse recurrence after sacral colpopexy to be 4.4%, compared with our reoperation rate of 2.2%. Our metaanalysis included studies after 2004 and excluded more than 20 studies that were included in the review by Nygaard et al owing to sample size limitations or follow-up period. Mesh erosion rates were also higher (3.4%) in the study by Nygaard et al, likely for similar reasons.³³ In addition, the use of improved mesh quality such as synthetic monofilament materials may have decreased overall erosion rates.³⁴ Our results indicate a prolapse recurrence reoperation rate of 3.9% after traditional surgeries, with the majority of initial surgeries being sacrospinous ligament suspensions. Past reports have ranged up to 13%; the largest study of 243 patients reported a rate of 4.5%, 35 comparable with our current results. Similarly, reoperation rates for recurrence after uterosacral ligament suspension have ranged from 3% to 6.5% in large studies.^{36,37} Olsen et al³⁸ report a reoperation rate for prolapse or incontinence repair of 29.2%. However, the study included reoperations after primary surgery

on the apical, anterior, and posterior compartments in addition to incontinence repairs.

The Dindo grading system⁷ is a valid method to grade complications based on the invasiveness of the intervention. Although the use of this grading system is a strength of our study, it is not a perfect system because it is designed to be applied to different surgical procedures. Because the specifics of the intervention were not always stated by the authors, assumptions were made. These limitations were evident for complications requiring nonsurgical management (eg, lower extremity neuropathy and dyspareunia) where there was uncertainty regarding whether pharmacologic management was used (Dindo II) or not (Dindo I). This also was seen in cases of hemorrhage, where transfusion (Dindo II) or observation (Dindo I) usually was not indicated. To make comparisons between surgical procedures in the future, surgical trials should make attempts to list minor and severe complications and provide as much detail regarding any interventions needed to manage those complications.

Efforts were taken in this review to avoid reporting bias and publication bias by excluding studies that reported on only a specific complication rather than all complications. In addition, recent conference abstracts, most of which studied mesh kits, were included to further reduce a negative publication bias. We recognize that the use of abstracts may not have provided sufficient details of the study owing to word limitations. Furthermore, only the most morbid or most prevalent complications are mentioned in the abstract, with the remainder of the complications stated in the article. We elected to exclude studies with less than 3 months of follow-up because most prolapse reoperations would not have been diagnosed within this short time period.

There are several reasons that comparisons among the three surgical approaches should be interpreted with caution. First, very few randomized trials comparing these techniques are currently available. Of the 105 studies included in our analysis, only 4% represent clinical trials. Most of the studies included are retrospective case series of a single procedure without a comparison group. As such, the type of analysis we could perform is limited, and formal meta-analytic techniques could not be performed. Second, studies addressing traditional vaginal procedures and sacral colpopexy were likely better quality studies compared with studies on vaginal mesh kits, given the longer follow-up periods and larger sample sizes. The lowest rate of prolapse recurrence seen in the mesh kit group may be because the addition of



mesh improves objective anatomic cure, but it also may be a reflection of the follow-up period of 17.1 months, which is approximately half the follow-up period of the traditional procedures group. Future trials with longer follow-up ultimately will determine whether recurrence rates increase or remain unchanged. Third, given the variability of follow-up times among studies, time-to-event analyses would be ideal. However, because the timing of adverse events and reoperations often was not reported, these could not be performed. Finally, the number of patients enrolled and the number of patients lost to follow-up was not always indicated in every study.

An additional limitation was that most apical prolapse surgeries were performed with concomitant procedures. Procedures such as midurethral slings that use mesh can contribute to complications that may be difficult to discern from complications due to solely apical procedures. For example, there was a 0.5% mesh erosion rate in the traditional surgery group, although none of the procedures in this group involved the use of mesh.^{39,40} Finally, because studies were grouped by the three approaches (traditional, sacral colpopexy, and mesh kits), comparisons cannot be made among procedures within a group. For example, conclusions cannot be drawn regarding which vaginal mesh device had the highest morbidity or which mesh material in the sacral colpopexy group led to the most mesh erosions.

In summary, there are no clinical trials or other comparative studies to date that compare these three main approaches to repairing the apical compartment in women undergoing surgery for pelvic organ prolapse. In this meta-analysis, we attempted to summarize the available observational studies to provide some guidelines on the relative complication and reoperation rates of these approaches. Sacral colpopexy is considered by some the gold standard apical suspension procedure.4 In support of this, sacral colpopexy had a relatively low rate of reoperation for prolapse recurrence. However, this was at the expense of a high complication rate. Traditional vaginal procedures, in contrast, had a higher rate of reoperation for prolapse recurrence but fewer complications that required surgical intervention. Most importantly, our results suggest that, despite the lowest reoperation rate for prolapse recurrence, vaginal mesh kits have the highest rate of complications that require surgical intervention, which, on balance, results in the highest rate of total reoperation after apical suspension for pelvic organ prolapse. This raises the concern that the risks of these newer procedures may be greater than their benefits. One can speculate that

more recurrences and complications may be diagnosed with time, given the relatively shorter mean follow-up period in the mesh kit group. On the other hand, this may reflect the "learning curve" of this recently adopted new technology. More long-term studies on vaginal mesh kits and clinical trials that directly compare these surgical techniques are needed to support these findings definitively.

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EXHIBIT E

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1
              UNITED STATES DISTRICT COURT
             SOUTHERN DISTRICT WEST VIRGINIA
2
                 CHARLESTON DIVISION
3
                         ) Master File
                         ) No. 2:12-CV-02327
   IN RE: ETHICON, INC.,
   PELVIC REPAIR SYSTEM
                         ) MDL No. 2327
   PRODUCTS LIABILITY
                         ) JOSEPH R. GOODWIN
5
  LITIGATION
                         ) U.S. DISTRICT JUDGE
6
   THIS DOCUMENT RELATES TO
7
                          ) CASE NO. 2:12-CV-02099
   PLAINTIFFS:
   Tina Wilson, et al v.
8
   Ethicon, Inc., et al )
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11
                 ORAL DEPOSITION OF
12
                CHRISTINA PRAMUDJI, M.D.
13
                     JULY 7, 2016
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Obviously, we know you've read the literature on TVT. Does that literature speak to -- and I'm

- 3 talking medical studies -- speak to the effect, if
- 4 any, positive, negative, of TVT on quality of life, on
- 5 emotional health, on relationships, on sexual function
- emotional health, on relationships, on sexual functionor dysfunction?
- 7 MR. THOMPSON: Object to form.
- 8 A. Yes, it does.
- 9 Q. (By Mr. Snell) Is that -- is it your reading
- 10 of that literature and knowledge base on those areas
- 11 pertaining to psychiatric history and emotional health
- $^{\rm 12}\,$ something that is part of your, you know, knowledge
- 13 base?
- MR. THOMPSON: Object to form.
- A. Yes, I know that the literature and, of
- 16 course, my own experience with the TVT is that it
- ¹⁷ improves the quality of life of patients tremendously.
- 18 Q. (By Mr. Snell) And do you in your general
- 19 report identify studies and data supporting your
- opinions about its effect on quality of life,
- 21 emotional health and things of that nature?
- MR. THOMPSON: Object to form.
- 23 A. Yes.
- Q. (By Mr. Snell) In assessing TVT and its

- Page 76
 1 emotional health one of the things assessed following
- ² treatment with TVT?
- 3 A. Yes, No. 6 is emotional health, nervousness,
- 4 depression, et cetera.
 - Q. And so is it correct or not that in your
- 6 field assessing emotional health is actually part and
- ⁷ parcel of what you do in patients who receive TVT in
- 8 assessing not just that one aspect, but their overall
- 9 outcome?
- MR. THOMPSON: Object to form.
- 11 A. Yes, that's correct.
- 12 Q. (By Mr. Snell) You were shown -- you were
- 13 shown the IFU and asked if it contained certain words,
- 14 a warning of certain words pertaining to erosion. Do
- 15 you recollect that?
- 16 A. Yes.
- Q. And I'm just going to ask you about the
- 18 bladder erosion issue since -- Counsel, and we
- 19 discussed and the other areas weren't really gone
- 20 into, so I'm just going to stick with the erosion.
- On the very first page in the section titled
- 22 Important, does this IFU for TVT state it is not a
- comprehensive reference to surgical technique for
- 24 correcting SUI, device should be used by physicians

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- 1 impact, in your opinion, it's positive, positive
- ² effects on quality of life, emotional health,
- ³ relationships, et cetera. Do scientists and surgeons
- 4 like yourself use standardized questionnaires to
- 5 assess the impact on TVT on those various domains?
- 6 MR. THOMPSON: Object to form.
- 7 A. Yes, we do.
- 8 Q. (By Mr. Snell) For example, I was just
- 9 looking -- one of the papers you cite to of many in
- 10 your general report is the Laura Kenyan 2014
- 11 randomized control trial that looked at TVT. Do you
- 12 recall that?
- 13 A. Yes.
- Q. And they did, according to your report,
- 15 numerous questionnaires that show significant
- ¹⁶ improvements on quality of life, satisfaction, things
- of that nature. Do you recollect that?
- MR. THOMPSON: Object to form.
- 19 A. Yes.
- Q. (By Mr. Snell) And one of those
- 21 questionnaires, for example, was the incontinence
- ²² impact questionnaire 7. And I don't have the ability
- 23 to print out a copy, but I will represent and I will
- 24 show you and Counsel. Of the seven questions, is

- Page 77

 1 trained in the surgical treatment of stress urinary
- ² incontinence and specifically implanting the TVT
- 3 device?
- 4 A. Yes, that's what it says.
- Q. Okay. And would the risk of bladder
- 6 perforation and bladder erosion, is that a risk that
- would be commonly known to the intended user, the
- 8 physician trained in stress urinary incontinence and
- 9 TVT?
- MR. THOMPSON: Object to form.
- 11 A. Yes, that's correct.
- 12 Q. (By Mr. Snell) And when it states that the
- 13 surgeon should specifically be trained in implanting
- 14 TVT, if the surgeon undergoes that training, would he
- 1 v 1, it the surgeon undergoes that training, would
- or she be made aware of the risk of bladder
- perforation or bladder erosion?MR_THOMPSON: Objective of the perforation or bladder erosion?
 - MR. THOMPSON: Object to form.
- 18 A. Yes.
- Q. (By Mr. Snell) Should the pelvic floor -- is
- 20 the pelvic floor surgeon the intended user of the TVT
- 21 device?
- 22 A. Yes.
- Q. Would that intended user be expected to know
- ²⁴ of the risk of bladder perforation and bladder erosion

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- 1 when using instruments passing by the bladder placing
- ² a sling?
- 3 MR. THOMPSON: Object to form.
- 4 A. Yes.
- 5 Q. (By Mr. Snell) And you mentioned that that's
- 6 would be the literature and that can happen with
- 7 autologous slings. Is that what you were referencing?
- 8 MR. THOMPSON: Object.
- 9 A. Yes.
- Q. (By Mr. Snell) Is your surgical training and
- 11 residency learning to do sling procedures, whether
- 12 synthetic or autologous or something else, is that
- 13 elemental risk that you learn about in your basic
- 14 training?
- MR. THOMPSON: Object to form.
- 16 A. Yes, it is.
- Q. (By Mr. Snell) Is that one of the reasons
- 18 why you believe that that would be a commonly known
- 19 risk to the intended user?
- MR. THOMPSON: Object to form.
- 21 A. Yes.
- Q. (By Mr. Snell) Under Instructions for Use,
- 23 we didn't really talk about this, but actually, I want
- 24 to go through some of this. It talks about the guide

- erosion.O A
- O. And would that be understandable to the
- 3 intended user, a pelvic floor surgeon like yourself?

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- MR. THOMPSON: Object to form.
- 5 A. Yes.
- 6 Q. (By Mr. Snell) Is the intention on using the
- ⁷ guide, moving the bladder contralaterally, doing
- 8 cystoscopy, do those have -- are those done for a
- 9 reason?
- 10 A. Yes. Those are done to confirm that the
- sling is not going through the bladder or too close to
- 12 the bladder mucosa. And that's implanted in the
- bladder wall. It should be outside the bladder wall.
- Q. Are those done to reduce the risk of
- perforation and ultimately bladder erosion?
- MR. THOMPSON: Object to form.
- 17 A. Yes.
- ¹⁸ Q. (By Mr. Snell) Would that be understandable
- 19 to a pelvic floor surgeon who is trained on stress
- ²⁰ urinary incontinence surgery trained on the TVT
- 21 device?

22

- MR. THOMPSON: Object to form.
- 23 A. Yes.
- Q. (By Mr. Snell) Under Warnings and

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- 1 and it says the purpose of the guide is to move the
- ² bladder neck and urethra away from where the tip of
- ³ the needle will pass into the retropubic space. It
- 4 also says when you're using the guide you move the
- ⁵ bladder contralaterally to the side of the needle
- 6 passage. Do you see that?
- 7 A. Yes.
- 8 Q. It also says cystoscopy is performed to
- 9 confirm bladder integrity. Do you see that?
- ¹⁰ A. Yes.
- Q. Do those three statements warn a pelvic floor
- ¹² surgeon that, hey, there is a risk of bladder
- 13 perforation and bladder erosion?
- MR. THOMPSON: Object to form.
- 15 A. Yes.
- Q. (By Mr. Snell) When they talk about
- 17 confirming bladder integrity, what are they talking
- 18 about?
- 19 A. They're talking about confirming that the
- 20 trocar did not traverse through the bladder, that the
- 21 sling is not going through the bladder wall.
- Q. If the sling is in the bladder wall, what is
- 23 that?
- A. That's a perforation. It's a potential

- 1 Precautions it says: User should be familiar with
- ² surgical technique for bladder neck suspensions.
- Does that include the autologous slings that
- 4 you referenced earlier?
- A. Yes, it does.
- Q. Where there is a known risk of bladder
- 7 perforation and bladder erosion with those procedures?
- 8 A. Yes, it does.
- 9 Q. So a surgeon coming in to use a TVT, if he or
- 10 she was familiar with surgical technique of bladder
- 11 neck suspensions, would he or she, by way of their
- 12 basic training and knowledge, be aware of the risk of
- 13 bladder perforation and erosion?
- MR. THOMPSON: Object to form.
- 15 A. Yes, they would.
- Q. (By Mr. Snell) And he also goes to state
 - 7 that those surgeons should be adequately trained in
- 8 implanting the TVT before employing the TVT.
- Does training on the TVT warn and inform
- 20 surgeons about the risk of bladder perforation and
- 21 erosion?

24

- MR. THOMPSON: Object to form.
- A. Yes, it does.
 - Q. (By Mr. Snell) And did you, yourself,

Page 82

- $^{\, 1} \,$ perform professional education training on the TVT
- 2 systems?3 A. Yes, I did.
- 4 Q. It says: The TVT procedure should be
- 5 performed with care to avoid the bladder. Attention
- 6 to local anatomy and proper passage of needles will
- ⁷ minimize risks.
- 8 What kind of risks are they talking about
- ⁹ there that you would understand as a pelvic floor
- 10 surgeon?
- MR. THOMPSON: Object to form.
- 12 A. They're talking about bladder mesh erosion.
- Q. (By Mr. Snell) Cystoscopy should be
- 14 performed to confirm bladder integrity or recognize a
- ¹⁵ bladder perforation.
- Did I read that correctly?
- 17 A. Yes, you did.
- Q. Does that warn a surgeon, a pelvic floor
- 19 surgeon, about the risk of perforation or erosion?
- MR. THOMPSON: Object to form.
- A. Yes, it does.
- Q. (By Mr. Snell) And you point out also under
- 23 Adverse Reactions, it actually has the word "erosion."
- MR. THOMPSON: Object the form.

- Page 84 Q. (By Mr. Snell) And, for example, you cite
- ² systematic reviews, which you've testified before, the
- ³ highest level of evidence. Those systematic reviews
- 4 for the retropubic TVT or the sling report rates of
- ⁵ dyspareunia at zero percent or sexual dysfunction is
- 6 zero percent. Do you recall putting that in your
- 7 general report?
- 8 MR. THOMPSON: Object to form.
- 9 A. Yes.
- Q. (By Mr. Snell) Is that a basis for your
- 11 opinion that TVT did not cause the Plaintiff's
- 12 dyspareunia in this case?
- 13 A. Yes.
- MR. THOMPSON: Object to form.
- Q. (By Mr. Snell) And actually, compared to the
- pubovaginal slings that Plaintiff's counsel asked you
- ¹⁷ about, is the risk of pain and sexual dysfunction with
- 18 TVT -- how does take compare?
- 19 A. It's actually less.
- Q. And in your report where you talk about
- 21 reliable literature documenting significant
- 22 improvements in sexual function, is that a basis for

Page 85

- 23 your opinions in this specific case?
- MR. THOMPSON: Object to form.

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- 1 Q. (By Mr. Snell) Is that correct?
- 2 A. Yes, that's correct.
- ³ Q. Is the TVT IFU adequate to warn a pelvic
- 4 floor surgeon of the risk of bladder perforation and
- ⁵ bladder erosion, in your opinion?
- 6 MR. THOMPSON: Object to form.
- 7 A. Yes, it is.
- 8 Q. (By Mr. Snell) Does it actually, in numerous
- ⁹ places, actually warn about those risks?
- MR. THOMPSON: Object to form.
- 11 A. Yes, it does.
- Q. (By Mr. Snell) You were asked questions
- 13 about your opinion that the TVT does not -- did not
- 14 contribute to Ms. Wilson's dyspareunia. As support
- 15 for your opinion, I note in your case-specific report
- 16 that you incorporate your TVT general report. Is that
- 17 correct?
- 18 A. Yes.
- Q. And so the literature and data and things at
- 20 Page 51, 52, 53, pertaining to TVT and its effect and
- 21 risk, if any, for dyspareunia, do you incorporate
- 22 those bases?
- MR. THOMPSON: Object to form.
- 24 A. Yes.

- 1 A. Yes.
- Q. (By Mr. Snell) On the topic of urge
- 3 incontinence, the urgency, overactive bladder, is that
- 4 a topic you also cover in your general report?
- 5 A. Yes, it is.
- 6 Q. And for reference, I'm going to point to
- 7 Pages 49 through 51, for example. Is that -- does
- 8 that part of your general report talk about urgency,
- 9 overactive bladder, urge incontinence, and whether TVT
- 10 has been demonstrated to be a cause of those factors?
- 11 A. Yes, it --
- MR. THOMPSON: Object to form.
- 13 A. Yes, it does.
- Q. (By Mr. Snell) You identify various factors
- in Mrs. Wilson's case that you believe contributed to
- 16 her urgency and urge incontinence. Let me ask you
- 17 this: In your report at Page 49, general report, you
- 18 talk about mixed urinary incontinence. Can you tell
- 19 us what that is very briefly?
- A. Yes, that's where the patient has two kinds
- 21 of incontinence. One is stress incontinence with
- 22 coughing, sneezing, exercise. And the second is the
- 23 urge incontinence where they have the feeling that
- 24 they've gotta go, gotta go. And so if they have both

	Page 90
1	
2	ACKNOWLEDGMENT OF DEPONENT
3	
4	I,, do
5	hereby certify that I have read the
	foregoing pages, and that the same is
	a correct transcription of the answers
	given by me to the questions therein
	propounded, except for the corrections or
	changes in form or substance, if any,
11	
12	noted in the attached Estata Sheet.
13	
14	
15	CHRISTINA PRAMUDJI, M.D. DATE
16	CHMD III WAT KAMODJI, M.D. DATE
17	
18	Subscribed and sworn
	to before me this
19	
20	day of, 20 My commission expires:
21	wy commission expires:
41	
22	N-4 D-1-1'-
22	Notary Public
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	Page 91
1	THE STATE OF TEXAS:
1 2	THE STATE OF TEXAS:
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EXHIBIT F

Christina Pramudji

Supplemental Reliance List in Addition to Materials Referenced in Report

Mary Shelton

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Document Description [Bates Range]

2000 June TVT Surgeons Resource Monograph

2005 Prolift Prof Ed Slide deck (P's Exhibit 127)

2005-2006 Gynecare Prolift Pelvic Floor Repair Systems – slides (16 pages)

2006 Mar 3 Flatow memo - CPC-2006-0165 Performance evaluation of TVT PROLENE blue Mesh_ Elongation Properties of Mechanical Cut verses Laser Cut

2007 & 2008 Gynecare Prolift Pelvic Floor Repair Systems – slides (46 pgs)

2007 Prolift Prof Ed Slide deck (P's Exhibit 128)

24 Hour Summary of the Gastroenterology and Urology Devices Panel of the Medical Devices Advisory Committee Meeting [02.26.2016].

9.22.2011 Letter to surgeons

A Clinical Assessment of Gynemesh PS for the Repair of Pelvic Organ Prolapse by V. Lucente, et al. 1 pg

A Solution-Gynecare TVT Tension-Free Support for Incontinence.

Australian Pelvic Floor Discussion

Benefit Risk Profile of Transvaginal Mesh Products Used for the Treatment of Pelvic Organ Prolapse signed by Piet Hinoul dated 6/21/2012

Brigette Fatton Powerpoint Presentation entitled "Complications in Pelvic Floor Dysfunction Surgery: evaluation and management.

Brochure Pelvic Organ Prolapse Get the Facts, Be Informed, Make Your Best Decision dated in 2005 (8 pgs)

Brochure Treatment Options for Pelvic Organ Prolapse Stop coping. Start living. Dated in 2008 Gynecare Prolift (15 pgs)

Classification Website Intro "An International Urogynecological Association (IUGA/Internation Continence Society (ICS) Joint Terminology and Classification of the Complications Related Directly to the Insertionm of Prostheses (Meshes, Implants, Tapes) & Grafts in Female Pelvic Floor Surgery."

Clinical Evaluation Report - Gynecare Prolift signed by P. Hinoul on 04.26.2013

Correspondence between Morgan Liscinsky of FDA & Bloomberg re: Johnson & Johnson Vaginal Mesh Implant.

D00001256-2005 Prolift Ed.pdf (Gynecare Prolift: Pelvic Floor Repair Systems) [Native Format]

D00001260-2007 and 2008 Prolift and M Prof Ed.pdf (Gynecare Prolift: Pelvic Floor Repair Systems)[Native Format]

Dear Surgeon Letter from Piet Hinoul and Aaron Kirkemo.

Declaration of Reynaldo Librojo in Support of Motion for Summary

Declaration of Thomas A. Barbolt, Ph.D., DABT, 1981-2011 in Support of Motion for Summary Judgement

DEFT 19.1-19.6 - Prolift M IFU

DEFT 730.1-730.72 - 2007 Prolift Surgeons Monograph

DEPO.ETH.MESH.00004755 - Guidoin Explant

Document entitled "Delay in Prosima Activities"

Document entitled "Pelvic Floor Repair. Extended Review of Medical Literature."

DX23600-R.1-3 - Prolene Resin Manufacturing Specifications 1.23.03

Email from Seppa re: Performance Evaluation of TVT Secur PROLENE Mesh: Mechanical vs. Laser Cut. Study (LIMS #BE-2004-1920)

Email from Seppa re: Performance Evaluation of TVT U PROLENE Mesh: Mechanical vs. Laser Cut. Study (LIMS #BE-2004-1920) Version 2

Email string re - Revised write up of the DeLeval and Waltregny visit

Email string re: Ultrapro vs Prolene Soft Mesh

Email string, top one from Gary Pruden to David Robinson, et al. re: article entitled: Vaginal repair with mesh no better than colporrhapy for pelvic organ prolapse.

ETH MESH 00082651-54

ETH MESH 07903682-83

ETH MESH 08307644-45 - Piet Hinoul s email and Excel attachment with 104 RCTs attached to email

ETH MESH 09268043-45

ETH.MESH. 00484929 - 2007 & 2008 Gynecare Prolift Pelvic Floor Repair Systems

ETH.MESH..07462313 - Email from Adrian Roji dated 8/19/11 re update message to the field re FDA notification response

ETH.MESH.00000172 - 8/25/11 Email from Marie Hobson to Kevin Frost attaching registration list for call

ETH.MESH.00000173 - 8/25/11 Registration list for 8/25/11 call

ETH.MESH.00001595-1606 - Reisenauer, C. Anatomical conditions for pelvic floor reconstruction with polypropylene implant and its application for the treatment of vaginal prolapse. European Journal of Obstetrics & Gynecology and Reproductive Biology 2006

ETH.MESH.00003895 - Continence Health and Pelvic Floor Advisory Board Opening Comments for Renee

ETH.MESH.00012009-089 - Clinical Study Report: Clinical assessment of feasibility, complications and effectiveness at twelve months, three years and five years of the TVM technique for genital prolapse.

ETH.MESH.00012009-74 - Cosson, M. Clinical assessment of feasibility, complications and effectiveness at twelve months, three years and five years of the TVM technique for genital prolapse(French 1 year CSR)

ETH.MESH.00012090-163 - Robinson, D. Clinical assessment of the TVM technique for treatment of genital prolapse. Final Report of 12-month evaluation. (US 1 year CSR)

ETH.MESH.00016032-039 - Kohli, N. Augmenting pelvic floor repairs. 2006 Supplement to OBG Management

ETH.MESH.00017362-368 - Elmer C, et al. Histological inflammatory response to transvaginal polypropylene mesh for pelvic reconstructive surgery, J Urol (2009), 181 (3), 1189-95.

ETH.MESH.00017553-560 - Tunuguntla, H. Female Sexual Dysfunction Following Vaginal Surgery: A Review. Journal of Urology 2006; 175: 439-446

ETH.MESH.00018382 - Powerpoint GYNECARE GYNEMESH* PS Nonabsorbable PROLENE* Soft Mesh in the Treatment of Pelvic Organ Prolapse

ETH.MESH.00019117-21 - Letter from Scott H. Jones to Price St. Hilaire re: Prosima US Launch Plan; cc: Renee Selman, et al.

ETH.MESH.00020763 - Prolift +M Profession Education Slide Deck

ETH.MESH.00020764 - Prolift +M Profession Education Slide Deck

ETH.MESH.00031323 - Memo to Customer from Sean M. O'Bryan dated 2.8.05 regarding Gynecare Prolift

ETH.MESH.00031324-25 - Letter to Gregory Jones from Celia M. Witten with FDA dated 1.8.02 regarding K013718 Trade name Gynemesh Prolene Soft Nonabsorbable Synthetic Surgical Mesh for Pelvic Floor Repair

ETH.MESH.00064002-04 - Email string, top one from Judith Gauld to Scott Jones re: US preceptors for Prosima.

ETH.MESH.00064054 - Gynecare Prosima ™ Pelvic Floor Repair System - Global Launch Strategy

ETH.MESH.00064138-39 - Document entitled "PROSIMA Critical Success Factors."

ETH.MESH.00071755 - Prosima - Apical Support Learning Guide

ETH.MESH.00071794 - Email re: TVT IFUs on tape extrusion, exposure and erosion

ETH.MESH.00076167 - Letter from Bryan Lisa to Dan Smith re: Prosima Product Release Authorization; cc: Stephanie Kute, Jennifer Paine.

ETH.MESH.00076710-90 - Clinical Study Report. Evaluation of Prosima for Pelvic Organ Prolapse. Protocol Number: 300-06-005. "A Prospective, Multi-centre Study to Evaluate the Clinical Performance of Gynecare Prosima Pelvic Floor Repair System as a Procedure for Pelvic Organ Prolapse."

ETH.MESH.00077073-093

ETH.MESH.00077094-111

ETH.MESH.00077395

ETH.MESH.00078114-15 - Memo to Prosima Regulatory File. Minutes from Teleconference with FDA for Prosima 510(k).

ETH.MESH.00081288-89 - Memo to Jennifer Paine, et al from Renee Selman dated 1.16.08 regarding Project Lightning Status

ETH.MESH.00082651-54 - Email string, top one from Marcus Carey to J. Meek, D. Robinson, P. Hinoul, et al. re: Technical feedback on Prosima.

ETH.MESH.00083812-3814

ETH.MESH.00086463-65 - E-mail from Piet Hinoul to Zeb Viana, et al. regarding TR: PROSIMA TAKE AWAY MESSAGES; cc: Bart Pattyson, et al.

ETH.MESH.00093526-44 - Prolift +M Profession Education Slide Deck

ETH.MESH.00093991 - Prolift +M Profession Education Slide Deck

ETH.MESH.00108120-21 - Email string, top one from Douglas Grier to Lissette Caro-Rosado, et al. re: Pelvic Floor Advisory Board; cc: Bart Pattyson.

ETH.MESH.00125373 - Email string, top one from Tom Eagan to Erin Haggerty re: Dr. Sepulveda.

ETH.MESH.00126755-757 - Email string, top one from M. Yale to J. Paine, et al. re: Draft FDA response on Prolift+M for input

ETH.MESH.00127103 - Email from Greg prine to Scott Jones, Jonathan Meek re: Prosima Road Show; cc: Lesley Fronio and Kevin Mahar.

ETH.MESH.00127125-26 - Email From Lewis to Mahar, et al. re: How did Dr. Grier's Prosima cases go?

ETH.MESH.00129102 - Suggested Remarks - Incontinence and Pelvic Floor Summit What a Difference a Decade Makes

ETH.MESH.0013114-51 - Email string, top one from Stephanie Grupe to Kevin Mahar re: Prosima Global Launch Team.

ETH.MESH.00144449 - Letter from David Robinson re: decision to delay preceptor training activities for Prosima (not signed).

ETH.MESH.00159266-369 - Gynemesh PS, Prolene Soft Mesh in the treatment of POP - Pelvic Floor Surgery and Anatomic Dissection Lab

ETH.MESH.00167104-10 - 2006 Apr 19 - Laser Cut Mesh for Gynecare TVT- CER Laser Cut Mesh

ETH.MESH.00220335-36 - 12.2.1999 Memo re: Biocompatibility Risk Assessment for Soft Prolene Mesh.

ETH.MESH.00262015-016 - Dan Smith Email Plaintiffs Exhibit 2067

ETH.MESH.00271215-216 - Email from J. Meek to multiple recipients e: Pre-Reading for Prolift+M: Internal Use Only. Not Copy Reviewed or For Distribution

ETH.MESH.00273967 - Email from Clifford Volpe to Scott Jones re: slides for Pelvic Floor Summit.; Powerpoint: R&D Perspective - The Journey from Prolift to Prolift +M.

ETH.MESH.00281482-84

ETH.MESH.00295355 - 2010 TVT Exact Prof Ed

ETH.MESH.00303310-13 - Memo from Dan Lamont to Gynecare Prosima Risk Management Report (RMR-0000029) re: Pelvic Floor Product(s) Complaint Review for Gyneacre Prosima Risk Management.

ETH.MESH.00310205 - Product Quality Issue re: Prosima signed by Mark Yale.

ETH.MESH.00310206 - Letter from David Robinson re: decision to delay preceptor training activities for Prosima (not signed).

ETH.MESH.00316849-50

ETH.MESH.00318930 - (Draft) Letter from David Robinson re: delay in preceptor training activities for Prosima.

ETH.MESH.00318934 - Document entitled " Delay in Prosima Activities."

ETH.MESH.00329474-509 - Project Mint Design Review

ETH.MESH.00335084-85 - Email from Daniel Lamont to Sungyoon Rha, et al. re: Mint Functional Strategies.

ETH.MESH.00349226-237 - May 26, 2000 Ethicon Memo to P. Cecchini RE: Review of Biocompatibility Data on the Tension Free Vaginal Tape (TVT) System for Compliance to FDA G-95/ ISO 10993/ EN 30993

ETH.MESH.00349228 - Cytotoxicity Risk Assessment for the TVT (Ulmsten) Device

ETH.MESH.00365412-414 - June 14, 2007 Memo RE: ADDENDUM: Post - Launch Complaint Review for the PROLIFT* Pelvic Floor Repair System

ETH.MESH.00369995 - 2008 TVT Family of Products

ETH.MESH.00370315 - Prosima Training Deck 1

ETH.MESH.00371595-903 - Prosima 510(k) and Clearance letter

ETH.MESH.00372564-68 - Clinical Study Report Evaluation of the TVM technique for treatment of genital prolapse Protocol Number 2003-016

ETH.MESH.00372664-671 - Letter from B. Lisa to J. Dang re: K071512 S04. (02.21.2008)

ETH.MESH.00373310 - Gynecare TVT Tension-Free Support for Incontinence: General Profession Education Deck.

ETH.MESH.00373310-88 - 2003 TVT Support for Incontinence General Prof Ed Deck

ETH.MESH.00395374-380 - Scientific Advisory Panel on Pelvic Floor Repair Preliminary Minutes Chicago, IL June 22, 2001

ETH.MESH.00397674 - 2002 Dr. Miklos Minimizing and Managing TVT Complications

ETH.MESH.00405513-514

ETH.MESH.00409158 - (Official) Letter from David Robinson re: delay in preceptor training activities for Prosima.

ETH.MESH.00418855-56 - Email string, top one from Andrew Meek to Jonathan Fernandez, et al. re: Prosima Preceptor Recommendation Form; cc: Kevin Frost, et al.

ETH.MESH.00424374-75 - Email string, top one from Jonanthan Fernandez ro Rhonda Peebles re: remaining 2010 labs; cc: Robert Zipfel.

ETH.MESH.00426441 - Email from Kevin Frost to Robert Zipfel, et al. re: Prosima 2-year slide deck; cc: Paul Parisi.

ETH.MESH.00442129 - PowerPoint Mechanical vs. "Machine"-cut Mesh, January 19, 2005 Prepared by: Allison London Brown & Gene Kammerer

ETH.MESH.00455676-77 - Email from Allison London Brown to Ophelie Berthier, et al. re: Prosima Jan 2007 update; cc: Bob Roda, et al.

ETH.MESH.00461576 - 10.23.2006 letter to EWHU field sales force

ETH.MESH.00467320 - Email string, top one from Andrew Meek to Bart Pattyson, Paul Parisi re: November Lab.

ETH.MESH.00484929 - 2005-2006 Gynecare Prolift Pelvic Floor Repair Systems

ETH.MESH.00495796-98 - Email string, top one from Jennifer Paradise to Melissa Doyle, et al. re: Prof Ed through Tele-Mentoring; cc: Paul Parisi, et al.

ETH.MESH.00510562-63 - Email string, top one from Kevin Frost to DL-ETHUSSO EWHU DMs, et al. re: 1st Prosima Virtual Round Table Tomorrow; cc: Matt Henderson, et al.

ETH.MESH.00516424-27

ETH.MESH.00523942 - Waltregny 2005 ICS Presentation

ETH.MESH.00526473-74 - Allison Brown Email re-Laser-cut Mesh

ETH.MESH.00541379-80 - Mesh Fraying for TVT Devices

ETH.MESH.00541708-09 - Document entitled "Notes from Competitive Ad Board."

ETH.MESH.00541873 - Chart listing Proposed Lab Scheduling for August 4th.

ETH.MESH.00541876-78 - Email string, top one from Bart Pattyson to David Robinson, et al. re: ICS/IUGA Cadaver Lab - Monday Aug 23.

ETH.MESH.00542347-48 - Calendar appointment re: Prosima and Advanced Prolift Preceptorship with Dr. Sepulveda and Drs. Antar, Jones and Schlafstein.; created by Robert Zipfel.

ETH.MESH.00542463 - Powerpoint: Gynecare Prosima ™ Pelvic Floor Repair System: 2-Year Clinical Data

ETH.MESH.00547021 - Ethicon Women's Health & Urology "Welcome Letter" to the EWH&U Pelvic Floor Repair Advisory Board Meeting.

ETH.MESH.00547036-37 - Email string, top one from Bart Pattyson to Jaime Sepulveda, et al re: Prosima (&Elevate) Advisory Board - Jan 8th - Baltimore; cc: Piet Hinoul, et al.

ETH.MESH.00547500-01 - Email re: 69% Success

ETH.MESH.00573815 - Powerpoint: Two Year Clinical Outcomes after Prolapse Surgery with Non-Anchored Mesh & Vaginal Support Device (Gynecare Prosima* Pelvic Floor Repair System) June 2010.

ETH.MESH.00573860-78 - (Draft) Sayer, T., et al. "Medium-term Clinical Outcomes Following Surgical Repair for Vaginal Prolpase with Tension-free Mesh and Vaginal Support Device."

ETH.MESH.00575257 - Abbrevo laser cut vs. mechanically cut - notes from meeting with de leval - inappropriate

ETH.MESH.00575270-273 - Jean de Leval Email Re: DSCN3332.JPG May 30, 2009

ETH.MESH.00575580-81 Email string, top one from Jonathan Meek to Piet Hinoul, Colin Urquhart and Judi Gauld re: Prosima anterior compartment result.

ETH.MESH.00575634-35 - ICS 2009 Abstract Form. "Surgery for Pelvic Organ Prolapse Using Mesh Implants and a Vaginal Support Device: Analysis of Anatomic, Functional and Performance Outcomes from an International, Multicentre Study."

ETH.MESH.00578081-83 - Email string, top one from Piet Hinoul to Paan Hermansson re: Prosima Post launch communication.

ETH.MESH.00578550 - (Draft) Sayer, T., et al. "Two Year Clinical Outcomes after Prolapse Surgery with Non-Anchored Mesh and Vaginal Support Device."

ETH.MESH.00579296 - Powerpoint: Anatomic and Functional Outcomes of 2 Pelvic Floor Repair Systems Studied in Moderate and Severe Prolpase Patients.

ETH.MESH.00580588-89 - Email string dated 3/25/2010, top one from Piet Hinoul to Paan Hermansson re: key message for Prosima launch

ETH.MESH.00580711-13 - Email re: Piet explains PS in Prosima

ETH.MESH.00584811-13 - Email string re-Ultrasonic Slitting of Prolene Mesh for TVT

ETH.MESH.00584846-847 - (05.10.2004) Email string, top one from Gene Kammerer to Mora Melican, et al. re: Mesh for TVM.

ETH.MESH.00590896-897 - Piet Hinoul Email 3.11.09

ETH.MESH.00591563-65 - Email re: Smelly VSDs

ETH.MESH.00592224-29 - E-mail chain from Jonathan Meek to otehrs in regards to Technical Feedback on Prosima

ETH.MESH.00592585-87 - Email re: No RCT for Prosima

ETH.MESH.00594266 - Email re: Overstating Success - Less Misleading

ETH.MESH.00594455 - Email re: Stop communicating over email

ETH.MESH.00594528 - Email from Aaron Kirkemo to Piet Hinoul, David Robinson and Judi Gauld re: Prosima commerical claims of 92.3% above the hymen.

ETH.MESH.00595468-70 - Goldman, H., FitzGerald, M. "Opposing Views: Transvaginal Mesh for Cystocele Repair," J Urol (2010) 183:430-432.

ETH.MESH.00595889-90 - Email string, top one from Kevin Frost to Aaron Kirkemo re: Prosima presentation; cc: Tom Affeld.

ETH.MESH.00604183-86 - Email string, top one from Piet Hinoul to Judi Gauld and Colin Urquhart re: PISQ, and score when unable to have sex.

ETH.MESH.00631782-84 - FDA Letter re: K063562 Gynecare Prosima

ETH.MESH.00658177-198 - Surgeons Resource Monograph

ETH.MESH.00662233 - Email from Scott Jones to DL-Ethusso dated 12/15/2009 re: PAGS Leads

ETH.MESH.00679637-40 - Email string, top one from Zenobia Walji to Ron Naughton, et al. re: Prolene Soft Mesh '05 proposed pricing; cc: Kevin Maher, et al.

ETH.MESH.00687819-22 - Email string re-Laser cut mesh

ETH.MESH.00759327-35 - Document entitled "Experience what's new in incontinence and pelvic floor repair." 2010 ICS IUGA Executive Agenda

ETH.MESH.00800521-22 - Email string, top one from Kenneth Pagel to Melissa Doyle re: presentation access.

ETH.MESH.00806974-75 - Email from Lissette Caro-Rosado to Jaime Sepulveda, et al. re: Pelvic Floor Advisory Board; cc: Bart Pattyson, et al.

ETH.MESH.00807570 - Revised Chart listing Proposed Lab Schedule

ETH.MESH.00807772-74 - Email String, top one from Bart Pattyson to Hugo Ye re: ICS-IUGA - Cadaver Lab & Ask the Expert Update; cc: Ping Li, et al.

ETH.MESH.00807972-73 - Email string, top one from Bart Pattyson to Tommaso Santini, et al. re: US Surgeon; cc: Tom Affeld

ETH.MESH.00808121-22 - Email from bart Pattyson to Jaime Sepulveda et al. re: Prosima (&Elevate) Advisory Board - Jan 8th - Baltimore; cc: Piet Hinoul.

ETH.MESH.00817181 - Email dated 1/22/2010 from Scott Jones to Kevin Frost and Tom Affeld re: Summit Agenda/Moderator; cc: Matt Henderson, et al.

ETH.MESH.00820634 - Invitation to participate in Gynecare Prosima Virtual Round Table

ETH.MESH.00832749-54 - Risk Management Report: Prosima Pelvic Floor Repair Kit

ETH.MESH.00833948-49 - Email from David Robinson to Jessica Shen re: Prosima Study.

ETH.MESH.00834910-11 - Email string, top one from David Robinson to Price St. Hilaire, et al. re: Prosima Strategic Council; cc: Kevin Mahar.

ETH.MESH.00840886-87 - Calendar appointment re: Updated: TVT Secur Preceptor Roundtable Forum; created by Dharini Amin.

ETH.MESH.00843043 - Email from David Robinson to Jacqutin Bernard, Judith Gauld and Jonathan Meek re: cancellation of scheduled Prosima training.

ETH.MESH.00849014-17

ETH.MESH.00850335-36 - Email string, top one from David Robinson to Stephanie Kute, Patrice Napoda re: Prosima FDA Review and IFU; cc: Price St. Hilaire, Dan Smith.

ETH.MESH.00851319-21 - E-mail string dated 1/21/2010, top one from Piet Hinoul to Clifford Volpe and David Robinson re: dimensions of the PROSIMA implant

ETH.MESH.00851319-321 - Email string, top one from P. Hinoul to C. Volpe, et al. re: Prosima implant dimensions.

ETH.MESH.00856579-82 - E-mail string dated 11/3/2010 re: neo clinical trial. Piet Hinoul: "Each individual study does not contribute to the success of those products

ETH.MESH.00857821 - Top Ten Reason to pursue Gynecare TVT Obturator System

ETH.MESH.00858080-081 - Perry Trial - Plaintiff's Exhibit 2313

ETH.MESH.00858096-97 - Gynecare R&D Monthly Update - May

ETH.MESH.00858175-176 - Mulberry Weekly Meeting MINUTES for 6.3.03

ETH.MESH.00858252-53 - 2004 Memo from London Brown to Dan Smith re Mechanical Cut vs. Laser Cut Mesh Rationale

ETH.MESH.00860239-310 - TVT-O IFU

ETH.MESH.00863391 - T-366 - Dan Smith email - particle loss

ETH.MESH.00870466-476 - (06.02.2006) Ethicon Expert Meeting: Meshes for Pelvic Floor Repair.

ETH.MESH.00895089-91 - Email string, top one from Kevin Frost to Vincenza Zaddem re: Prosima in R&D Study.

ETH.MESH.00921692-94 - Email string, top one from Tom Affeld to Scott Jones, et al. re: NEO #2, 3, 4 Lab Nominations; cc: Vincenza Zaddem.

ETH.MESH.00922443-446 - Email string, top one from P. St. Hilaire to B. Lisa, et al. re: Bidirectional elasticity statement

ETH.MESH.00925065-67 - Email string, top one from Joshua Samon to Vincenza Zaddem re: Mint Value Proposition; cc: Duan Broughton.

ETH.MESH.00991195-257 - Clinical Study Report Evaluation of the TVM technique for treatment of genital prolapse Protocol Number CT-TVM-001-03

ETH.MESH.00993273 - 2006 TVT-O Summit Presentation by Raders and Lucente

ETH.MESH.00993273 - TVT Obturator Anatomic Considerations Clinical Update: Special Considerations, Complications.

ETH.MESH.01075187-215 - Clinical Expert Report Gynecare Prolift Pelvic Floor Repair System dated 7.2.10

ETH.MESH.01136239-40 - Email string, top one from Lissette Caro-Rosado to Ad Board Members re: EWH&U Pelvic Floor Repair Ad Board 1-8-11; cc: Tom Affeld, et al.

ETH.MESH.01154031-37 - Clinical Expert Report - Gynemesh Prolene Soft

ETH.MESH.01198058 - (Draft) Zyczynski, H., et al. "One year clinical outcomes after prolapse surgery with non-anchored mesh and vaginal support device."

ETH.MESH.01200286 - Powerpoint: Gynecare Prosima: Overview.

ETH.MESH.01201973 - Propsed Lab Schedule (2nd Revision)

ETH.MESH.01202189 - Stale Kvitle Email regarding Mini Me follow up from our visit May 20, 2009

ETH.MESH.01202190-191 - David Waltregny Email Re: Mini Me follow up from our visit May 21, 2009

ETH.MESH.01203957-97 - The future of surgical meshes-the industry's perspective

ETH.MESH.01219542-48 - Review of Surgeon Responses of VOC Questionnaire

ETH.MESH.01220135-45 - Email string re-New Standards for Urethral Slings

ETH.MESH.01228079-84 - Nilsson Podcast Transcript

ETH.MESH.01237077-79 - Email dated 9/3/2009 from Piet Hinoul to David Robinson, et al. re: Prosima Take Away Messages; cc: Peter Meier

ETH.MESH.01238454-56 - Email string re-TVTO length

ETH.MESH.01244824-26 - Email string, top one from Aaron Kirkemo to Cyrus Guidry re: response letter to editor, Lewis Wall.

ETH.MESH.01264260 - Prolift +M Piet Hinoul Pelvic Floor Meeting Nderland Utrecht, May 7, 2009

ETH.MESH.01274741-743 - Use of UltraPro Mesh for Pelvic Organ Prolapse (POP) Repair through a Vaginal Approach.

ETH.MESH.01279975-976 - Harel Gadot Email re Next step in SUI sling

ETH.MESH.01310817-29 - Ethicon Biocompatibility Risk Assessment for Gynecare Prolift Total Pelvice Floor Repair System dated 1.19.05

ETH.MESH.01317508-613 - TVT Factbook DHF - Revised 05.14.2001

ETH.MESH.01320328-33 - Performance Evaluation of TVT Secur PROLENE Mesh: Mechanical vs. Laser Cut. Study (LIMS #BE-2004-1920)

ETH.MESH.01320351-67 - Corporate Product Characterization Plan, TVT-Laser Cut Mesh. Dated 02/06/2006

ETH.MESH.01411037-39 - Summary re: Project Mint

ETH.MESH.0141137-39 - Document re: summary of changes in mesh implant from Project Mint to final production.

ETH.MESH.01428106-112 - Carvigni, M. The use of synthetics in the treatment of pelvic organ prolapse. Curr Opin Urol 2001; 11: 429-435.

ETH.MESH.01593930-42 - Prosima Clinical Expert Report (not signed or dated).

ETH.MESH.01595614-753 - Prolift +M IFU

ETH.MESH.01612323-33 - Patient Brochure: Pelvic Organ Prolapse "Get the Facts, Be Informed, Make Your Best Decision."

ETH.MESH.01638150 - Powerpoint: Gynecare Prosima ™ Pelvic Floor Repair System Backrgound; Halina Zyczynski, M.D.

ETH.MESH.01678340 - Email from Andrew Meek to Melissa Doyle et al. re: Approved Prosima Receptors.

ETH.MESH.01707963 - Ethicon Women's Health & Urology "Welcome Letter" to the EWH&U Pelvic Floor Repair Advisory Board Meeting.

ETH.MESH.01708116-17 - Email string, top one from Bart Pattyson to Georgia Long re: TVT Abbrevo and Prosima training; cc: Elizabeth Kolb, Andrew Meek.

ETH.MESH.01708180 - Chart listing financial information re: preceptors.

ETH.MESH.01708190 - Chart listing financial information re: preceptors.

ETH.MESH.01730626-29 - Email string, top one from Dr. Antar to Bart Pattyson re: Prosima presentation.

ETH.MESH.01733531-535 - Kasturi, S. Pelvic magnetic resonance imaging for assessment of the efficacy of the Prolift system for pelvic organ prolapse. Am J Obstet Gynecol 2010; 203: 1.e1-1.e5

ETH.MESH.01752532-535 - Mesh design argumentation issues

ETH.MESH.01776504-10 - Email re: 60% Success

ETH.MESH.01782114-115 - (05.03.2006) Email string, top one from David Robinson to Carolyn Brennan re: Suzette email discussing problems with Prolift.

ETH.MESH.01782783-785 - (02.02.2006) Notes from meeting with Dr. V. Lucente and Dr. M. Murphy (Allentown, PA) to discuss Prolift RCT.

ETH.MESH.01784823-28 - Clinical Expert report-Laser Cut Mesh

ETH.MESH.01785259-260 - Email dated 1/17/2010 from Dr. Piet Hinoul to Dr. David Robinson, et al. Re: +M relaxation

ETH.MESH.01803816-18 - Summary re: Project Mint

ETH.MESH.01808311-318 - Trip Report Michael Tracey

ETH.MESH.01809082-83 - Memo re: VOC on new laser cut TVT mesh

ETH.MESH.01813259; ETH.MESH.02180759-61 - Email string with attachment re-Jeans Ideas.

ETH.MESH.01813975-78 - Email string re-FDA Prep-Plaintiff's Exhibit 460

ETH.MESH.01821586-87 - Email from Allison London Brown to Ophelie Berthier, et al. re: Prosima November update; cc: Dan Smith, et al.

ETH.MESH.01822361-363 - Dan Smith Email regarding TVT Secur October 18, 2006

ETH.MESH.01822361-62 - Dan Smith Email regarding TVT-Secur leading to less retention

ETH.MESH.02001398-404 - Gynecare Prolift IFU (English Only)

ETH.MESH.02001398-473 - Prolift IFU

ETH.MESH.02010349-62 - Prosima Clinical Expert Report signed by David Robinson

ETH.MESH.02017152-158 - (02.23.2007) Ethicon Expert Meeting: Meshes for Pelvic Floor Repair.

ETH.MESH.02026591-95 - MSDS-c4001 Polypropylene Homopolymer

ETH.MESH.02059150-151 - May 24, 2006 Memo RE: First Post - Launch Complaint Review for the PROLIFT* Pelvic Floor Repair System

ETH.MESH.02066770-71

ETH.MESH.02090196-209 - Plaintiff's Exhibit 4085-04.15.2008

ETH.MESH.02105765-771 - FDA Public Health Notification: Serious Complications Associated with Transvaginal Placement of Surgical Mesh in Repair of Pelvic Organ Prolapse and Stress Urinary Incontinence issued 10.20.08; Information on Surgical Mesh for Pelvic Organ Prolapse and Stress Urinary Incontinence posted by FDA dated 10.23.08 at bottom; Information on Surgical Mesh for Hernia Repairs posted by FDA dated 10.23.08

ETH.MESH.02114615-16 - Email string, top one from Libby Lewis to Donna Abely, et al. re: Remaining 2010 labs.

ETH.MESH.02156379-80

ETH.MESH.02211890 - Test Report

ETH.MESH.02211912 - Annex 11: Porosity test on finished product - pelvic floor mesh.

ETH.MESH.02215374-375 - Jacquetin B. Prolene Soft (Gynecare) Mesh for Pelvic Organ Prolapse Surgical

Treatment: A Prospective Study of 264 Patients. Abstract 767

ETH.MESH.02215565-567 - Email from Scott Ciarrocca to multiple recipients re: a message from Barbara Schwartz re: Prolift (01.02.2005).

ETH.MESH.02217343-44

ETH.MESH.02229013 - Email re: IFU errors

ETH.MESH.02229051 - Video: "Biomechanics"

ETH.MESH.02229054 - Video: "What to Expect"

ETH.MESH.02229055 - Video: "VSD Case Series 1"

ETH.MESH.02232685 - Marketing: "Your Proof: Her dance class."

ETH.MESH.02232773-801 - Prolift +M Profession Education Slide Deck

ETH.MESH.02232854-74 - Prolift +M Profession Education Slide Deck

ETH.MESH.02232854-874 - Prolift+M - Advanced User Discussion

ETH.MESH.02233126-187 - Prolift +M Profession Education Slide Deck

ETH.MESH.02233126-187 - Prolift+M Educational Module

ETH.MESH.02233290 - Prolift +M Profession Education Slide Deck

ETH.MESH.02233410 - US Launch - Premarket Preparation (PMP) 2009 US Sales Meeting Brief

ETH.MESH.02233417 - Prosima New Product Request Form

ETH.MESH.02233418-38 - Prosima - Surgical Technique

ETH.MESH.02233439-51 - US Training 1-year clinical data: A New Operation for Vaginal Prolapse Reapir Using Mesh and a Vaginal support Device: 1 Year Anatomic and Functional Results of an International, Multicenter Study.

ETH.MESH.02233452-67 - Prosima - US Training - Background and Development History

ETH.MESH.02233539 - Prosima - New Product Request Form

ETH.MESH.02233540 - Prosima - 2009 Sales Training Program

ETH.MESH.02233605 - (B&W) Webinar Invite "The treatment of Symptomstiv Moderate Pelvic Organ Prolapse."

ETH.MESH.02233640 - (B&W) Prosima - Module 4: 2-Year Clinical Data

ETH.MESH.02233651-73 - One year Clinical Outcomes Following Prolapse Surgery with Non-Anchored Mesh and a Vaginal Support Device. Results from the International Multicenter Gynecare Prosima ™ Study.

ETH.MESH.02233674-92 - (Marketing) "What is Gynecare Prosima Pelvic Floor Repair System?"

ETH.MESH.02233699-710 - Prosima - An Interview with Dr. Marcus P. Carey.

ETH.MESH.02233713 - Objective Success Rate Learning Guide

ETH.MESH.02233726-27 - Prosima Product Page on Ethicon-360 12.09

ETH.MESH.02233728 - (native) Gynecare Prosima ™ Key Procedural Steps

ETH.MESH.02233834 - (B&W) 2009 Sales Aid Guide

ETH.MESH.02233840 - MRI Flashcard "Prosima - The first fixationless mesh system that maintains anatomical position."

ETH.MESH.02233842 - Virtual Round Table Registration Form 9.2010

ETH.MESH.02233843-49 - Clinical Study Findings Discussion for Gynecare Prosima ™ by Piet Hinoul (Audio Transcript).

ETH.MESH.02233851-51 - Document entitled "PROS-438-10-9/12 Prosima Short Procedural Video."

ETH.MESH.02233857-59 - AJOG Press Release (Draft)

ETH.MESH.02233862-80 - AALG in booth presentation. "Proof in the Treatment of Pelvic Organ Prolapse" Douglas Van Drie, M.D.

ETH.MESH.02233881-88 - Zyczynski, H.M. "One-year clinical outcomes after prolapse surgery with nonanchored mesh and vaginal support device." Am J Obstet Gynecol (2010) 203.

ETH.MESH.02233961 - Virtual Round Table Follow-up Letter.

ETH.MESH.02233962 - Virtual Round Table Follow-up Letter.

ETH.MESH.02233963 - Virtual Round Table Invitation 9.2010

ETH.MESH.02233964 - (B&W) Prosima DVD

ETH.MESH.02234001-02 - (Marketing) The Gynecare Prosima ™ Pelvic Floor Repair System Story

ETH.MESH.02234005-171 - Prosima Sales Training Program

ETH.MESH.02234173-77 - Prosima Messgaging practice Coaching Check List

ETH.MESH.02237107-15 Introducing Gynecare Prosima for Ethicon Epiphany 247.

ETH.MESH.02248778 - Mechanical vs Machine Cut (Laser.Ultrasonic) Mesh Particle loss less than 2 percent for both

ETH.MESH.02270724 - (07.19.2003) Email string, top one from Michel Cosson to Scott Ciarrocca re: Gynemesh holding force in tissue.

ETH.MESH.02270766-767 - (11.21.2003) Email string, top one from Michel Cosson to Scott Ciarrocca re: D'Art, risk question.

ETH.MESH.02270857-858 - (07.16.2004) Email from Laura Angelini to multiple recipients re: D'Art - Conversation with Prof. Jacquetin.

ETH.MESH.02286052-053 - Email string, top one from S. O'Bryan to S. Ciarrocca re: Prolift IFU
ETH.MESH.02293981 - Email from Adrian Roji dated 7/19/11 re Approved FDA Notification Response
ETH.MESH.02318553-54 - Gynecare Prosima ™ Combined Pelvic Floor Repair System Clinical Strategy.
ETH.MESH.02319312 - Memo re-TVT-base & TVT-O Complaint Review for Laser Cut Mesh Risk Analysis
ETH.MESH.02322037-39 - Email string, top one from Piet Hinoul to Aaron Kirkemo, et al. re: Neo clinical trial.
ETH.MESH.02330766 - TVT-O (Reproducible Vaginal Approach) (TVTO-384-10-8-12)Production
36_000124_4580875_d
ETH.MESH.02340306-69 - TVT IFU
ETH.MESH.02340331-335 - TVT IFU (12.22.03 to 02.11.05)
ETH.MESH.02340471-503 - TVT IFU
ETH.MESH.02340504-67 - TVT IFU
ETH.MESH.02340568-90 - TVT-S IFU
ETH.MESH.02340756-828 - TVT-O IFU
ETH.MESH.02340829-835 - TVT-O IFU - (01.07.04 to 03.04.05)
ETH.MESH.02340829-901 - TVT-O IFU
ETH.MESH.02340902-73 - TVT-O IFU
ETH.MESH.02340974-1046 - TVT-O IFU
ETH.MESH.02341203-13 - TVT Abbrevo IFU
ETH.MESH.02341398-410 - Prosima IFU (6.18.10 to discontinuance) - English only 13 pages
ETH.MESH.02341398-453 - Prosima IFU
ETH.MESH.02341398-453 - Prosima IFU
ETH.MESH.02341454-459 - Gynecare Prolift IFU (English Only)
ETH.MESH.02341454-521 - Prolift IFU
ETH.MESH.02341522-527 - Gynecare Prolift IFU (English Only)
ETH.MESH.02341522-89 - Prolift IFU
ETH.MESH.02341658-664 - Gynecare Prolift IFU (English Only)
ETH.MESH.02341658-733 - Prolift IFU
ETH.MESH.02341734-809 - Prolift IFU
ETH.MESH.02342194-196 - Gynecare Gynemesh PS IFU (English Only)
ETH.MESH.02342218-220 - Gynecare Gynemesh PS IFU (English Only)
ETH.MESH.02342250-252 - Gynecare Gynemesh PS IFU (English Only)
ETH.MESH.02342278-279 - Gynecare Gynemesh PS IFU (English Only)
ETH.MESH.02579701-06 - Email re: Piet re Problem with posterior inserter
ETH.MESH.02596085 - Letters to the Editor 2010; 1457
ETH.MESH.02597949-50 - Hinoul, P., et al. "A "mesh" made in heaven: synergy between the urogynaecological
device industry and evidence based medicine."
ETH.MESH.02599918-20 - Email string, top one from Piet Hinoul to Kevin Frost re: 1-year Prosima Data Conference Call.
ETH.MESH.02603812-821 - Dissection Techniques in Transvaginal Pelvic Organ Prolapse Repair with Synthetic
Mesh
ETH.MESH.02614610-624 - Performance Evaluation of TVT U PROLENE Mesh: Mechanical vs. Laser Cut. Study
(LIMS #BE-2004-1920) Version 2
ETH.MESH.02615519-658 - Prolift +M IFU

ETH.MESH.02658316 - Cover Letter

ETH.MESH.02658317-352 - Postmarket Surveillance Study No. PS120043; Gynecare Prolift +M Pelvic Floor Repair Systems; Gynecare Prolift Pelvic Floor Repair Systems

ETH.MESH.02967410-12 - Study: Prosima (300-06-005); Plots/charts for 12-month vs. baseline safety analysis set.

ETH.MESH.03048942 - Document entitled "New" Mint January 05, 2006.

ETH.MESH.03049774-75 - Gynecare Prosima* Combined Pelvic Floor Repair System: Clinical Strategy.

ETH.MESH.03056578-80 - Email string from Colin Urquhart to David Robinson and Judith Gauld re: Prosima* investigator bulletin.

ETH.MESH.03109341 - Email string, top one from Judi Gauld to Halina Zyczynski re: Prosima well received at AUA.

ETH.MESH.03160821 - Email from Judith Gauld to Allison London Brown re: US Prosima Sites; cc: David Robinson, et al.

ETH.MESH.03160822-23 - Email string, top one from Judith Gauld to Stephanie Kute re: MINT Design Validation Dates; cc: Dan Smith, et al.

ETH.MESH.03160827-28 - Email string, top one from Colin Urquhart to Stephanie Kute re: Doctors contacted for DVal as of today; cc: Judith Gauld, et al.

ETH.MESH.03162936-38 - Email string from Judith Gauld to David Robinson and Jonathan Meek re: Marcus Carey US visit.

ETH.MESH.03259439-40 - 4.24.2009 Gauld email chain re Green Journal

ETH.MESH.03361293 - Mesh Platform Review: Somerville, November, 2010.

ETH.MESH.03393725-31 - Sikirica, V, et al. "Sexual Function 12 Months Following Vaginal Prolapse Repair Augmented by Mesh and a Vaginal Support Device" ICS/IUGA (2010) Abstract

ETH.MESH.03396246 - VSD Patient Information (Slim Jim) - "Stop Coping Start Living."

ETH.MESH.03427757-59 EWHU eClinical Compendium - Article Summary. Barber, M.D., et al. "Transobturator Tape Compared with Tension-free Vaginal Tape for the Treatment of Stress Urinary Incontinence: A Randomized Controlled Trial.

ETH.MESH.03427878-883 - TVT IFU - (11.29.10 to11.26.14)

ETH.MESH.03427878-946 - TVT IFU

ETH.MESH.03439842-46 Prosima Sales Aid Training Deck - "What could a truly tension-free repair mean for you and your patients?"

ETH.MESH.03440816-36 - Prosima Revised Webinar Deck - Overview

ETH.MESH.03458123-38 - TVT Patient Brochure

ETH.MESH.03459088-104 - Patient Brochure

ETH.MESH.03460813-853 - Prolift Surgeon's Resource Monograph, approved 4.13.2007

ETH.MESH.03466382-83 - Email string dated 5/12/2011, top one from Kevin Frost to Benjamin Bouterie re: Dr. Bedestani; cc: Stacy Hoffman

ETH.MESH.03471308 - Chart entitled "Pedm Monthly Status."

ETH.MESH.03612364 - Gynecare Prosima Pelvic Floor Repair Preceptorship, Course Overview.

ETH.MESH.03626267-69 - Email string, top one from Jennifer Paradise to Susie Chilcoat re: Prosima Professional Education Slide Deck Conference Call.

ETH.MESH.03643392-95 - Email string, top one from Jennifer Paradise to Adrian Roji, et al. re: Approved for distribution: FDA Notification FAQS and Customer Letter.

ETH.MESH.03667696 – Company Procedure for US Regulatory Affairs Review of Promotion and Advertising Material for Medical Devices

ETH.MESH.03715978 - Weisberg email re: TVT question.

ETH.MESH.03736120-127 - Gynemesh PS: A New Mesh for Pelvic Floor Repair Early Clinical Experience

ETH.MESH.03736120-27 - Gynecare Gynemesh PS a New Mesh for Pelvic Floor Repair Early Clinical Experience

ETH.MESH.03751819 - 2009 The Science of What's Left Behind

ETH.MESH.03895925-26 - Email from Frost to Affeld, et al. re: Sales Rep Training on Prosima 5/18

ETH.MESH.03905472-77 - Email string re-TVT recommendation from Dr. Alex Wang

ETH.MESH.03905968-75 - Patient Brochure

ETH.MESH.03905968-975 - Prolift Patient Brochure: POP, Get the facts, be informed, make your best decision

ETH.MESH.03905976-991 - Prolift Patient Brochure: POP, Get the facts, be informed, make your best decision

ETH.MESH.03905992-6000 - Patient Brochure

ETH.MESH.03906001-020 - Prolift +M Patient Brochure

ETH.MESH.03906001-20 - Patient Brochure: What You Should Know About Pelvic Organ Prolapse. Stop Coping. Start Living. Dated 11/9/2009

ETH.MESH.03906001-20 - Prosima Brochure

ETH.MESH.03906037-052 - Prolift Patient Brochure: Treatment Options for POP, stop coping, start living

ETH.MESH.03906037-52 - Patient Brochure

ETH.MESH.03907468-9 - Second Generation TVT - by Axel Arnaud

ETH.MESH.03910175 - Email string re - Soft Prolene

ETH.MESH.03910418-21 - Email string re-Mini TVT - mesh adjustment

ETH.MESH.03911107-08 - Email string re-TVT complications (an Prof. Hausler)

ETH.MESH.03911901-910 - Deprest J, et al. The biology behind fascial defects and the use of implants in pelvic organ prolapse repair. Int Urogynecol J (2006)

ETH.MESH.03913357-359 - Axel Arnaud Email 5.31.07 Re TVT TVT-O

ETH.MESH.03916905-13

ETH.MESH.03917375-378 - (11.26.2002) Email string, top one from Martin Weisberg to Dr. Richard Juraschek, et al. re: Mini TVT - mesh adjustment.

ETH.MESH.03921355-156 - Miller, D. Prospective Clinical Assessment of the Total Vaginal Mesh (TVM) Technique for Treatment of Pelvic Organ Prolapse - 6 and 12 month results.

ETH.MESH.03924557-86 - Meshes in Pelvic Floor Repair-Findings from literature review and conversations-interviews with surgeons, June 6, 2000.

ETH.MESH.03930120-123 - Nilsson C. Seven-Year Follow-up of the Tension-Free Vaginal Tape Procedure for Treatment of Urinary Incontinence. Obstet Gynecol 2004; 104(6): 1259-62

ETH.MESH.03932909-911 - Confidential - History of TVT-O

ETH.MESH.03932912-14 - The History of TVT

ETH.MESH.03941623 - DeLeval Email RE: TVT ABBREVO ALERT - French and English Email and English Translation Certification Plaintiff's Exhibit 3619- Perry

ETH.MESH.03959337 - Prolift+M vs. Prosima - 2 year results

ETH.MESH.03962244 - Dear Surgeon letter 7/18/11

ETH.MESH.03984409-10 - Email string, top one from Scott Finley to Greg Prine re: Pelvic Floor Repair Customer Meeting.

ETH.MESH.03989722-23 Email string, top one from Jim Gatewood to Rebecca Ryder re: Prosima 2 Year data Dinner.

ETH.MESH.03989781-82 - Email from Jim Gatewood to Marilyn Valdes re: Norfolk, VA, Dec 2, 2010 Prosima Awareness Dinner Information.

ETH.MESH.03991591-92 - Memo re: Gynecare Studies; created by Randall Gore.

ETH.MESH.04005090-91 - Ethicon informs FDA of discontinuation

ETH.MESH.04005092-93 - Ethicon's Notification to FDA to Decommercialize

ETH.MESH.04005095-96 - Ethicon's Notification to FDA regarding Decommercialization

ETH.MESH.04042511-12 - Slack, M., et al. Presentation Title: "Clinical Experience of a Novel Vaginal Support Device and Balloon used to Simplify Mesh Augmented Vaginal surgery for Prolapse."

ETH.MESH.04048515-520 - Carl Nilsson KOL Interview Project Scion 06.18.08

ETH.MESH.04077172 - Powerpoint: Gynecare LatAm Moments at IUGA Congress 2010

ETH.MESH.04081189 - Meeting Agenda

ETH.MESH.04082973 - Possible Complications for Surgeries to Correct POP and SUI

ETH.MESH.04092868 - Email re: 10100080654 and TVT IFUs

ETH.MESH.04181761-762 - Gynecare Prolift Pelvic Floor Repair System Physician Learner Profile

ETH.MESH.04201880 - Prosima Training Deck 2

ETH.MESH.04206959

ETH.MESH.04381806-19 - Literature Review on Biocompatibility of Prolene Sutures and Impants

ETH.MESH.04427456-57 - FDA Letter re: K063562 Gynecare Prosima Pelvic Floor Repair Systems

ETH.MESH.04474731 - Ethicon's Cover Letter Response to TVT Secur 522 Order

ETH.MESH.04474733 - Ethicon's TVT Secur Postmarket Surveillance Study Plan: {S120095; Gynecare TVT Securm System

ETH.MESH.04476265-72 - April 24 2012 email to FDA

ETH.MESH.04476274-75 - Email re: Meeting Minutes from April 18 2012 meeting w FDA

ETH.MESH.04543334 - Email re: Faculty & Customer Call Post-FDA Panel Mtg on 9/12

ETH.MESH.04543335 - Pelvic Organ Prolapse Surgical Mesh Discussion call in information 9/12/11

ETH.MESH.04543335 - Powerpoint "Pelvic Organ Prolapse Surgical Mesh Discussion"

ETH.MESH.04543336 - Pelvic Organ Prolapse Surgical Mesh Discussion call in information 9/12/11

ETH.MESH.04548931-35

ETH.MESH.04548975 - Email re: Piet's response to 522 FDA refusal clean

ETH.MESH.04550996-97 - Email string, top one from Piet Hinoul to Marcus Carey and Richard Gooding re: Prosima VSD.

ETH.MESH.04551757-795 - E-mail with attachment from Piet Hinoul to Jeffrey Hammond, Dr. James Hart, et al. regarding Benefit risk profile TVM

ETH.MESH.04551946 - Ethicon Gynecare WW Commercialization Decision – US Surgeon Letter 6/1/12

ETH.MESH.04554662 - Ethicon Gynecare WW Commercialization Decision – US Frequently Asked Questions 6/1/12

ETH.MESH.04554687 - FDA letter to Ethicon re 522 Orders (Kanerviko 2013-08-22 29)

ETH.MESH.04556236 - Email re: Piet's takeaways from 2011 FDA meeting

ETH.MESH.04558399-409 - Iglesia C. Vaginal Mesh for Prolapse: A Randomized Controlled Trial. Obstet Gynecol 2010;116:293-303

ETH.MESH.04567040-44 - FDA's Response to proposed study plan-04.02.2012

ETH.MESH.04567080 - FDA's Resposne to Discontinuation and Agreement to Hold 522 Responses

ETH.MESH.04567174 - Ethicon Gynecare US Commercialization Decision – US Discussion Guide for Use with Customers 5/15/12

ETH.MESH.04567674 - Ethicon Gynecare US Commercialization Decision - Core Messages 5/15/12

ETH.MESH.04567677-79 - Frequently asked questions 5/15/12

ETH.MESH.04567680-81 - Message from Laura Angelini to Internal WW Associates 5/15/12

ETH.MESH.04567686-79 - US Sales Call Script for Matt Henderson 5/15/12

ETH.MESH.04567695 - Ethicon Gynecare WW Commercialization Decision – Core Messages 6/1/12

ETH.MESH.04567698 - Ethicon Gynecare WW Commercialization Decision – Standby Statement 6/1/12

ETH.MESH.04567707 - Ethicon Gynecare WW Commercialization Decision – Chuck Austin Message to WW General Surgery Employees 6/1/12

ETH.MESH.04567726 - Ethicon Gynecare WW Commercialization Decision – Tim Schmid message to US General Surgery Employees 6/1/12

ETH.MESH.04568448 - Email re: Piet following 2011 Ad Com

ETH.MESH.04568519 - Email dated 6/8/2012 from Matt Henderson to Tim Schmid re: 522 Communication Recap

ETH.MESH.04568717-18 - Email from Tim Schmid to Chuck Austin dated 6/8/12 re: Prolift +M withdrawal notice

ETH.MESH.04925553-91 - Postmarket Surveillance Study PS120044, Gynecare Prosima ™ Pelvic Floor Systems - K063562 dated 2/1/2012

ETH.MESH.04926191-92

ETH.MESH.04927339-40 - FDA's Resposne to Discontinuation Notification-07.09.2012

ETH.MESH.04931596 - Kanerviko email re 40000 page response to 522

ETH.MESH.04938298-299 - Piet Hinoul Email Re: Prof. de Leval - TVT Abbrevo

ETH.MESH.04939001 - Letter from Dr. Joerg L. Holste, re: Biocompatibility Risk Assessment for Laser-cut Implant of Gynecare TVT

ETH.MESH.04941016 - Lightweight Mesh Developments (Powerpoint)

ETH.MESH.04945231-239 - Email string re-Ultrapro vs Prolene Soft Mesh

ETH.MESH.04945496 - Bernd Klosterhalfen Email Re: Ultrapro vs. Prolene Soft Mesh April 18, 2005

ETH.MESH.05009194

ETH.MESH.05092843 - Chart listing lab schedule for August 11th.

ETH.MESH.05106233-34 - Email string, top one from Kevin Frost to danhalt@gmail.com, et al. re: Reminder:

Prosima Professional Education Slide Deck Conference Call Tonight 7pm EST.

ETH.MESH.05164225-26 - EWHU eClinical Compendium - Article Summary. Reisenauer, C., et al. "Anatomic study of prolapse surgery with nonanchored mesg and a vaginal support device."

ETH.MESH.05165675-77 - EWHU eClinical Compendium - Article Summary. Barber, M.D., et al. "Defining success after surgery for pelvic organ prolapse." Obstet Gynecol (2009) 114:600-609.

ETH.MESH.05217098-100 - FDA Clearance Letter, Modified PROLENE

ETH.MESH.05217103-44 - Letter to FDA re: Notification of Intent

ETH.MESH.05222673-705 - TVT IFU

ETH.MESH.05225354-85 - TVT IFU

ETH.MESH.05225380-384 - TVT IFU - (09.08.00 to 11.26.03)

ETH.MESH.05337217-220 - Email string, top one from D. Miller to J. Paradise, et al

ETH.MESH.05343480-82 - Email string, top one from Joseph Lanza to Bart Pattyson re: Review EWHU IUGA events.

ETH.MESH.05343757-58 - Email string, top one from Kevin Frost to Bart Pattyson re: July 31 Heads Up; cc: Lissette Caro-Rosado.

ETH.MESH.05347751-762 - Email string re Investigator-initiated studied policy

ETH.MESH.05469908-12 - Email string, top one from Thomas Barbolt to Dr. Joerg Holste, et al. re: Ultrapro; cc: Laura Angelini, et al.

ETH.MESH.05479411 - The (clinical) argument of lightweight mesh in abdominal surgery

ETH.MESH.05479535

ETH.MESH.05571741 - Email string, top one from Jim Gatewood to Robert Zipfel re: Gynecare Prof Ed -

Approved: Request for Speaker Event.

ETH.MESH.05573916-17 - Email string, top one from Kevin Frost to Jennifer Paradise re: Prosima VRT Reminder - Honoraria Payments; cc: Paul Parisi.

ETH.MESH.05588123-126 - Stephen Wohlert Email - AW: How inert is polypropylene? July 9, 2007

ETH.MESH.05644163-171 - Pelvic Floor Repair-Surgeon's Feed-back on Mesh Concept

ETH.MESH.05741094 - Email from Rhonda Peebles to Samuel Sheelu, et al. re: Additional room for Ask the Expert sessions; cc: Alyson Wess, et al.

ETH.MESH.05741890-91 - Email string, top one from Christopher Teasdale to Tom Affeld, et al. re: Additional room for Ask the Experts sessions.

ETH.MESH.05795421-508 - 2001 slides from Parisi binder

ETH.MESH.05795537-99 - 1998 TVT Slide Deck

ETH.MESH.05799233-239 - TVT Exact IFU

ETH.MESH.05799233-316 - TVT-E IFU

ETH.MESH.05820723 - Dear Surgeon Letter re Discontinuation

ETH.MESH.05835298-308 - Pelvic Organ Prolapse - Patient Counseling Guide.

ETH.MESH.05837063-110 - Pelvic Organ Prolapse Value Dossier. Gynecare Prolift, Gynecare Prolift +M, Gynecare Prosima.

ETH.MESH.05840629 - Powerpoint Presentation entitled "Continuum of Education."

ETH.MESH.05918776 - Email re: Marlex Experience

ETH.MESH.05922038 - Letter from Patricia Nevar to Jaime Sepulveda, M.D. re: Secrecy Agreement for Prosima.

ETH.MESH.05947160-63 - Email from Patricia Holland to Andre Fontes re: Partnership Plus Follow up Gynecare Reminder; cc: Fernando Nassif, et al.

ETH.MESH.05958248 - Surgeons Resource Monograph

ETH.MESH.05967586-87 - Email string, top one from Robert Zipfel to Susie Chilcoat re: Prosima Preceptor-Led Virtual Round Tables (VRTs) faculty payment.

ETH.MESH.05987605-06 - Email re: Piet's response to 522 FDA refusal

ETH.MESH.05998835-836 - Piet Hinoul Email Re: ALERTE TVT ABBREVO

ETH.MESH.06049894-96 - FDA posting FDA Safety Communication: Update on Serious Complications Associated with Transvaginal Placement of Surgical Mesh for Pelvic Organ Prolapse issued 7.13.11

ETH.MESH.06087471-72 - TVT Patient Brochure

ETH.MESH.06087513-14 - Patient Brochure

ETH.MESH.06113091-92 - Email from Debra Mayfield to DL-ETHUSSO EWHU WESTERN REGION re: Prosima VRT Invitation Plan - due Jan 28.

ETH.MESH.06124656-57 - Email string, top one from Andrew Meek to Bart Pattyson re: Prosima training.

ETH.MESH.06124954-55 - Email string, top one from Bart Pattyson to Marcos Fujihara re: Prosima training in Miami with Dr. Jaime Sepulveda.

ETH.MESH.06125000-01 - Email string, top one from Bart Pattyson to Robert Zipfel re: Prosima in LATAM.

ETH.MESH.06125058 - Email from Bart Pattyson to Eugene Brohee re: June 21 - Latin America doctors in town; cc: Selena Lessa.

ETH.MESH.06125098 - Email string, top one from Bart Pattyson to Georgia Long re: updated agenda - May 8th.

ETH.MESH.06125277 - Email string, top one from Marcos Fujihara to Bart Pattyson, et al. re: Prosima presentation in Miami.

ETH.MESH.06125309 - Email string, top one from Robert Zipfel to Bart Pattyson re: Prosima in LATAM.

ETH.MESH.06125502 - Email string, top one from Georgia Long to Bart Pattyson re: may 8th.

ETH.MESH.06151466-67 - Email string, top one from David Robinson to Judith Gauld re: Jaime Sepulveda.

ETH.MESH.06238611 - Email from Mark Kenyon to Aaron Kirkemo re: NEO Surgical Guide - Role & Responsibilities; cc: Vincenza Zaddem.

ETH.MESH.06255523-34 - Gynecare Prosima Pelvic Floor Repair System: An expert interview with Dr. Marcus P. Carey, MBBS, FRANZCOG, CU, the inventor of the Gynecare Prosima system

ETH.MESH.06382976-987 - Jia, X. Efficacy and safety of using mesh or grafts in surgery for anterior and/or posterior vaginal wall prolapse: systematic review and meta-analysis. BJOG 2008; 115: 1350-1361

ETH.MESH.06388151 - Powerpoint: Prolift Pelvic Floor Repair - MDV Reported Complaints

ETH.MESH.06480608-09 - Email string, top one from Judith Gauld to Stephanie Kute re: MINT Design Validation Dates; cc: Dan Smith, et al.

ETH.MESH.06482821-22 Email from Judith Gauld to Tony Smith re: Prosima Investigator Meeting; cc: David Robinson.

ETH.MESH.06585815 - Powerpoint: Agenda

ETH.MESH.06591558-59 - Email string, top one from Tom Affeld to Shwetal Narvekar re: Pre-launch Awareness for Prosima with Dr. Marcus Carey; cc: Bart Pattyson, et al.

ETH.MESH.06592243 - 09.14.2012 Email from Carl Nilsson to Laura Angelini

ETH.MESH.06695438 - Justification for Utilizing the Elasticity Test as the Elongation Requirements on TVT LCM

ETH.MESH.06769156 - Powerpoint: A New Operation for Vaginal Prolapse Repair Using Mesh and a Vaginal Support Device: 1 Year Anatomic and Functional Results of an International, Multicenter Study. Mark Slack, Cambridge, UK for the Prosima Study Group.

ETH.MESH.06887138-40 - Waltregny email written on behalf of Professor de Leval.

ETH.MESH.06887244 - 07.16.04 David Waltregny email to Dan Smith re: TVT-O.

ETH.MESH.06917699-704 - Form For Customer Requirements Specification (CRS) For Project TVT-O PA

ETH.MESH.06923868-71 - TVTO-PA Clinical Strategy - 8.21.13 Exhibit A.M. Mitchell T-2177

ETH.MESH.07105727 - Email string, top one from Laura Vellucci to Colin Urquhart re: Prosima publication.

ETH.MESH.07189091 - Powerpoint: From presentation to publication: ensuring quality in the reporting of urogynaecology research. IUGA "This house believes that industry sponsorship has a corrosive influence on standards of scientific reporting." Conflict of interests: Piet Hinoul, M.D.

ETH.MESH.07190144-45 - Email string, top one from Judi Gauld to Piet Hinoul, Colin Urquhart re: +M Abstract.

ETH.MESH.07192929 - Investigating Mesh Erosion in Pelvic Floor Repair Powerpoint

ETH.MESH.07201006 - Prolift Professional Education Slide Deck (2007)

ETH.MESH.07219196-209 - Clinical Expert Report - Prosima ™ signed by David Robinson.

ETH.MESH.07226579-590 - 2000 - TVT CER

ETH.MESH.07229215-45 - Clinical Expert Report - Prosima ™ signed by Piet Hinoul.

ETH.MESH.07229312-42 - Clinical Expert Report Gynecare Prosima ™ Pelvic Floor Repair System signed by Piet Hinoul dated 9/25/2012

ETH.MESH.07246690-719 - Study Report dated May 8, 2012: A systematic review of patient-years of experience in prospective randomized controlled trials (RCTs) in incontinence.

ETH.MESH.07296496 - Chart listing Week Schedule and Lab Flow.

ETH.MESH.07308636-37 - Email from Tom Affeld to Clifford Volpe, et al. re: Surgeon's view on Prosima; cc: Lissette Caro-Rosado, et al.

ETH.MESH.07324554-555

ETH.MESH.07351297 - Application FMEA for TVT Classic Doc# FMEA-0000536 Rev.<1>

ETH.MESH.07374762-63 - Email from Lissette Caro-Rosado to Jaime Sepulveda, et al. re: Pelvic Floor Advisory Board; cc: Bart Pattyson, et al.

ETH.MESH.07379573-74 Email string, top one from Kevin Frost to Ahmet Bedestani, et al. re: Purpose; cc: Matt Henderson, et al.

ETH.MESH.07383730-31 - Email string re-Ultrapro mesh information-identical mesh to Prolift +M

ETH.MESH.07384790-91 - Email string, top one from Robert Zipfel to Lissette Caro-Rosado re: Prosima and Advanced Prolift Preceptorship with Dr. Sepulveda and Drs. Antar, Jones, and Schlafstein on Monday Jan 4, 2010.

ETH.MESH.07587090-91 - Email string, top one from Judith Gauld to Patricia Nevar re: Dr. Sepulveda; cc: Colin Urquhart.

ETH.MESH.07628243 - EWH&U Gynecare Prosima ™ Pelvic Floor Repair System Faculty Checklist.

ETH.MESH.07630654 - Email string, top one from Greg Prine to Stevan Barendse, Robert Zipfel re: Prosima targets.

ETH.MESH.07631488 - Email string, top one from Selena Lessa to Robert Zipfel re: Prosima course with Sepulveda.

ETH.MESH.07631752-53 - Email string, top one from Eric Globerman to Nicole Huffman re: Prosima course; cc: Robert Zipfel.

ETH.MESH.07631967-68 - Email string, top one from Stacy Hoffman to Robert Zipfel, Kimberly Heath re: Prosima Lab.

ETH.MESH.07632042 - Event request form for Sepulveda Preceptorship.

ETH.MESH.07632042-43 - Email from Kevin Frost to danhalt@gmail.com, et al. re: Save the Date: Prosima Faculty Conference Call 7/20 at 7pm EST; cc: Jennifer Paradise.

ETH.MESH.07636090 - Prosima Cadaver Lab Invitation

ETH.MESH.07653362-63 - Email string, top one from Tommaso Santini to Kevin Frost, et al. re: US Surgeon; cc: Tom Affeld.

ETH.MESH.07931680-81 - Email string, top one from Bart Pattyson to Jeff Hsieh re: Prosima Professional Education Slide Deck Conference Call.

ETH.MESH.07951163 - Document re: Prosima's apical/anatomical success rates and functional outcomes.

ETH.MESH.07953429-33 - EWH&U 2011 Field Visit Letter

ETH.MESH.07977911

ETH.MESH.08003181-96 - TVT Patient Brochure

ETH.MESH.08003231-46 - TVT Patient Brochure

ETH.MESH.08003247-62 - Patient Brochure

ETH.MESH.08003263-78 - Patient Brochure

ETH.MESH.08003279-94 - TVT Patient Brochure

ETH.MESH.08003295-302 - TVT Patient Brochure

ETH.MESH.08021804-07 - Email string, top one from Libby Lewis to Kenneth Pagel, et al. re: Journal Club - trocarless vaginal mesh kits.

Production Materials

ETH.MESH.08023741-44 - Email string, top one from Scott Miller to Jonathan Fernandez re: Prosima Take Away Messages.

ETH.MESH.08033153 - Document entitled "Prevalence and risk factors for mesh erosion after laparoscopic-assisted sacrocolpopexy." Author(s) Jasmine Tan-Kim, Shawn A, Menefree, Karl M, Luber, Charles W. Nager, Emily S. Lukacz.

ETH.MESH.08048738-40 - Email from David Jackson to Selena Lessa re: Prosima course with Sepulveda.

ETH.MESH.08066452

ETH.MESH.08107354 - Gynecare TVT Tension-free Support for Incontinence: Professional Education Slides

ETH.MESH.08117473 - 2012 TVT-Exact Updated Prof Ed Slide Deck w Production Cover

ETH.MESH.08117625-26 - Prolift +M Profession Education Slide Deck

ETH.MESH.08135444 - Gynecare Prosima - Pelvic Floor Repair System Proctorship

ETH.MESH.08139049-118 - Pelvic Organ Prolapse - The Role of Prosima. Author: Mark Slack.

ETH.MESH.08156958 - 2002 TVT Advanced Users Forum Presentation

ETH.MESH.08161765 - Email from Suzy Taylor to Jared Aldridge, et al. re: Follow up to FDA Mesh Advisory.

ETH.MESH.08169582-620 - Surgical Practice of POP survey on Survey Monkey.

ETH.MESH.08290691

ETH.MESH.08299913-917 - Nilsson C. Seventeen years' follow-up of the tension-free vaginal tape procedure for female stress urinary incontinence. Int Urogynecol J 2013; 24(8): 1265-9 [9.11.13 Exhibit T-1271]

ETH.MESH.08309057-92 - Document entitled "Benefit-Risk Profile of Ethicon, Inc.'s Pelvic Organ Prolapse Mesh Repair Products."

ETH.MESH.08315779-810 - Clinical Expert Report Gynecare Prolift +M™ Pelvic Floor Repair System signed by Piet Hinoul dated 9/25/2012

ETH.MESH.08334244-45 - Email string re-Photographs of LCM vs MCM with powerpoint attachment

ETH.MESH.08375158-59 - Email string, top one from Larry Gillihan to Kenneth Pagel, Jason Hernandez re: New Product Tabs - TVT Abbrevo, Prosima, TVT Exact.

ETH.MESH.08384247

ETH.MESH.08384270 - Email string, top one from Lisa Pitts to Paul Saliba re: Prosima pearls from Dr. Garris.

ETH.MESH.08421628 - Ethicon Gynecare WW Commercialization Decision - US Customer Discussion Guide 6/1/12

ETH.MESH.08476311 - Cytotoxicity assessment of Ulstem sling

ETH.MESH.08492824 - Strategic Business Team Meeting - Meeting Notes

ETH.MESH.08565137-41

ETH.MESH.08640676 - Jones email 4/04/08 re Prosima update for RBDs

ETH.MESH.08791917

ETH.MESH.08945734-35 - ICS-IUGA 2010 Abstract Form. "Ultrasound assessment 6 months following vaginal prolapse surgery using polypropylene implants and a vaginal support device."

ETH.MESH.08945742-44 - Presentation Title: A New Operation for Vaginal Prolapse Repair using Mesh and a Vaginal Support Device: 1 Year Anatomic and Functional Results of an International, Multicentre Study." Presenter: Slack, M., et al.

ETH.MESH.08945836-40 - Document entitled "Gynecare Prosima Claims List."

ETH.MESH.08948364-65 - Email string, top one from Kevin Frost to William Rush re: Save the Date: Prosima 2 Year Clinical Data Review; cc: Tom Affeld.

Production Materials

ETH.MESH.08951725-26 - Email string, top one from Tom Affeld to Kevin Frosr re: Prosima 2 year summary for eClinical Compendium.

ETH.MESH.08961175-76

ETH.MESH.08962682-83 - Email from Helen Wong to Kevin Frost re: Sepulveda's comment on the VRT; cc: Jenny Krieger, et al.

ETH.MESH.08962684-85 - Email string, top one from Jenny Krieger to Kevin Frost re: Reminder: Prosima Teleconference today.

ETH.MESH.08971152-53 - Email string, top one from Kevin Frost to Libby Lewis re: Prosima VRT Invitation plan - due Jan 28.

ETH.MESH.08971269-70 - Email string, top one from Kevin Frost to Aaron Kirkemo, Piet Hinoul re: Prosima VRT: fill-in

ETH.MESH.08971271-72 - Email string, top one from Kevin Frost to Marilyn Valdes re: Dr. Sepulveda availability on 1/31.

ETH.MESH.08971309-14 - Email string, top one from Kevin Frost to Helen Wong re: Dr. Sepulveda's 1/31 VRT; cc: Jenny Krieger.

ETH.MESH.08988155 - Powerpoint: Gynecare Prosima ™ Pelvic Floor Repair System: Background. Halina Zyczynski, M.D.

ETH.MESH.08988298-417 - EBM - Pelvic Organ Prolapse Clinical References: 2002-2011, including Prolift, Prolift+M, Prosima, Gynemesh. Searcher: Kerry Kushinka.

ETH.MESH.09050450 - Memoradum from David Robinson re: the compatibility if estrogen creams with Prosima balloon and vaginal support device. (Not signed).

ETH.MESH.09100506 - Prolift Professional Education Slide Deck (2005)

ETH.MESH.09128451 - Chart entitled "Faculty Training."

ETH.MESH.09128545 - Pelvic Organ Prolapse Surgical Mesh Discussion call in information 8/25/11

ETH.MESH.09138054-55 - Information re: Jaime Sepulveda, M.D. and Arthur Mourtzinos, M.D.

ETH.MESH.09142383-84 - Email from Kevin Frost to danhalt@gmail.com, et al. re: Save the Date: Prosima Faculty Conference Call 7/20 at 7pm EST; cc: Jennifer Paradise.

ETH.MESH.09142511 - (Draft) EWHU Memo from Bart Pattyson (US Marketing and Professional Education) to US Faculty Members re: Gynecare Prosima - Pelvic Floor Repair System, Updated Professional Education Deck.

ETH.MESH.09144349 - Powerpoint: Ethicon Women's Health and Urology: Clinical Expertise Road Map.

ETH.MESH.09191424-26 - Email string, top one from Hemangini Patel to Carolina Guzman re: Final Draft report for Prosima - Urgent; cc: Irene Leslie, Rosangela Ribeiro.

ETH.MESH.09207059 - Chart entitled "Grier."

ETH.MESH.09218452-53 - Email string, top one from Rhonda Peebles to Andrew Meek re: Remaining 2010 labs; cc: Kevin Frost, et al.

ETH.MESH.09264945-46 - Prolene Mesh Re-Design Project

ETH.MESH.09283030 - Spreadsheet re: Open Incontinence & AP.

ETH.MESH.09283031 - Spreadsheet re: Open Incontinence & AP.

ETH.MESH.09283032 - Spreadsheet re: Pelvic Floor Repair

ETH.MESH.09283033 - Spreadsheet re: Budget Summary

ETH.MESH.09283034 - Spreadsheet re: Integrated Marketing

ETH.MESH.09283035 - Spreadsheet re: Summary

ETH.MESH.09283036 - Spreadsheet re: Pelvic Floor Repair

ETH.MESH.09283037 - Spreadsheet re: Budget Summary

ETH.MESH.09283038 - Spreadsheet re: Integrated Marketing

Production Materials ETH.MESH.09290755 - Spreadsheet re: Q1 2012 Open PO Summary ETH.MESH.09290760 - Spreadsheet re: Open Incontinence & AP. ETH.MESH.09290767 - Spreadsheet re: Uterine Health ETH.MESH.09290769 - Spreadsheet re: Ethicon Gynecare May 2012 Open PO Summary ETH.MESH.09290772 - Spreadsheet re: Budget Summary ETH.MESH.09300480 - Spreadsheet re: Prosima All Day ETH.MESH.09625725-29 - Government Submissions Log Sheet ETH.MESH.09625731-37 - FDA Letter. re: approved drug application for polypropylene suture. ETH.MESH.09625816 - FDA letter re: receipt of drug application for polypropylene suture. ETH.MESH.09625817 - Letter to FDA re: new drug application for Polypropylene Suture. ETH.MESH.09629447-48 - FDA Labeling Approval for Prolene ETH.MESH.09630649 - 4.26.1973 FDA Letter RE: NDA 16-374 ETH.MESH.09630649 - FDA Letter re: package insert for Prolene. ETH.MESH.09634081 - Sections 6 re: adverse effects. ETH.MESH.09634299-303 - FDA Letter re: approval of PMA supplement. ETH.MESH.09634318 - Prolene Package Insert. ETH.MESH.09634662-63 - FDA Letter re: reclassification of Nonabsorbable Polypropylene Surgical Suture. ETH.MESH.09634664-88 - FDA Letter re: reclassification of Nonabsorbable Polypropylene Surgical Suture. ETH.MESH.09656792 ETH.MESH.09656795 ETH.MESH.09744840-45 - Patient Brochure ETH.MESH.09744848-55 - Patient Brochure ETH.MESH.09744858-63 - TVT Patient Brochure ETH.MESH.09746948-998 - License and Supply Agreement [Rosenzweig Exhibit 21 - 12.22.15] ETH.MESH.09747038-097 - Medscand Agreement ETH.MESH.09747337-369 - Asset Purchase Agreement ETH.MESH.09888187-223 - Seven Year Data for Ten Year Prolene Study ETH.MESH.09922570-578 - TVTO PA (TOPA) R&D Memorandum of PA Mesh Assessments for TVTO-PA Katrin Elbert Dec.Revision 1 ETH.MESH.10027307-28 - TVT Surgeons Resource Monograph - June 2000 ETH.MESH.10048035-36 - Email from Mark Pare to Walter Boldish, et al. re: Clinical #2 - Prosima; cc: Elizabeth ETH.MESH.10179518-636 - Clinical Evaluation Report - Gynecare Gynemesh ™ PS Nonabsorbable Prolene ™ Soft Mesh signed by Piet Hinoul on 04.26.2013 ETH.MESH.10220659 - Gynecare TVT Tension-free Support for Incontinence: Advanced Users Forum for the **Experienced Clinician** ETH.MESH.10224077 - Email string, top one from Molly Dugan to Greg Prine re: Prosima Lab Feedback; cc: Joseph Drabik. ETH.MESH.10232708 - Email from Stevan Barendse to Greg Prine re: Prosima targets. ETH.MESH.10281860 - 2013 Clinical Expertise TVT Prof Ed Slide Deck ETH.MESH.10281860 - Tension-Free Midurethral Sling: Market Update.

ETH.MESH.10376963

ETH.MESH.10378001-02

ETH.MESH.10384309-310

ETH.MESH.10399553 - Email from Judi Gauld to Marcus Carey, et al. re: Prosima presentation at AUA; cc: David Robinson, et al.

ETH.MESH.10608341-57 - Post Market Surveillance Report. Pelvic Floor Repair Systems. Gynecare Prolift, Gynecare Prolift+M and Gynecare Prosima.

ETH.MESH.10817931 Pelvic Mesh Post-Market Surveillance Orders April 2012

ETH.MESH.10960414 - Email from Christopher O'Hara to Francois Barbe, et al. re: VRT for Prosima.

ETH.MESH.11048537-38 - Prosima E-blast No. 1 "The Proof of Success."

ETH.MESH.11336474-87 - Ten Year In Vivo Suture Study Scanning Electron Microscopy-5 Year Report

ETH.MESH.11448841 - Conference Participant Report 8/25/11

ETH.MESH.11518663-65 - Email string, top one from Melissa Doyle to Arthur Mourtzinos re: Agenda for tomorrow's lab.

ETH.MESH.11522550-51 - Email string, top one from Melissa Doyle to Seth Moskos re: VSD "take home" instructions.

ETH.MESH.11523079 - Email from Melissa Doyle to Walter Boldish, et al. re: Lahey Labs September 18, 2010; cc: Carole Carter-Cleaver.

ETH.MESH.11524125-28 - Email string, top one from Melissa Doyle to Andrew Meek re: Upcoming Labs - planning.

ETH.MESH.11536046 - Email string, top one from Jonathan Fernandez to Rhonda Peebles re: Remaining 2010 labs; cc: Robert Zipfel, et al.

ETH.MESH.11538048-49 - Email from Frost to Globerman, et al. re: prosima usage northeast

ETH.MESH.11543641 - Powerpoint GYNECARE GYNEMESH* PS Nonabsorbable PROLENE* Soft Mesh Awareness Module

ETH.MESH.11905619 - Spreadsheet: Prosima Virtual Roundtable Calls & Targets

ETH.MESH.1210987-95 - Email from Hinoul re: South Africa, TVTO sheaths getting stuck upon removal

ETH.MESH.1222075-79 - Letter to Weisberg/Robinson re: Elongation Characteristics of Laster Cut PROLENE Mesh for TVT, from Kammerer

ETH.MESH.12831391-92 - P4128 - IR Microscopy of Explanted Prolene received from Prof. R. Guidoin.

ETH.MESH.12897617-78 - 2013 Clinical Evaluation Report - Prosima ™ signed by Piet Hinoul.

ETH.MESH.13314554 - Email from Laura Hance to Dr. Lowden re: Prosima answer to JP drain and hydrodissection.

ETH.MESH.13532200 - Ethicon Gynecare WW Commercialization Decision - US Sales Call Script 6/1/12

ETH.MESH.13592561 - Prosima Trainee Invitation "Advanced Pelvic Floor Course with Gynecare Prosima"

ETH.MESH.13618003-04 - EWHU eClinical Compendium - Article Summary. Reisenauer, C., et al. "Anatomic study of prolapse surgery with nonanchored mesh and a vaginal support device."

ETH.MESH.13618029-31 - EWHU eClinical Compendium - Article Summary. Zyczynski, H.M., et al. "One-year clinical outcomes after prolapse surgery with nonanchored mesh and vaginal support device."

ETH.MESH.13622000-70 - Prosima Trainee Deck Distribution

ETH.MESH.13635675 - 2011 B&W POP & SUI Patient Counseling Guide production copy

ETH.MESH.1363575.NATIVE

ETH.MESH.13645631 - DVD - Thoughts on Prolift+M and Prosima from Drs. Michel Cosson and Marcus Carey.

ETH.MESH.13698543 - Prosima Marketing Material Roll-Out Letter.

ETH.MESH.13698840-59 - Bart Pattyson editorial re prof ed bulletin

ETH.MESH.13699674 - Clinical Study Report: A Prospective, Multi-centre Study to Evaluate the Clinical Performance of the Gynecare Prosima ™ Pelvic Floor Repair System as a Procedure for Pelvic Organ Prolapse.

ETH.MESH.13756212-18 - Clinical study Finding Discussion for Gynecare Prosima ™ Pelvic Floor Repair System by Piet Hinoul (Audio Transcript).

ETH.MESH.13756219 - Gynecare Prosima ™ Pelvic Floor Repair System MRI Address

ETH.MESH.13756384 - Prosima Virtual Round Table Trainee Confirmation

ETH.MESH.13756409 - Prosima Virtual Round Table Preceptor Follow-up and Invitation.

ETH.MESH.13756416-17 - Prosima Virtual Round Table Preceptor Confirmation.

ETH.MESH.13869166 - Powerpoint: Mint Project - Pelvic Floor Repair.

ETH.MESH.14427453-55 - FDA Clearance Letter re: K063562 Gynecare Prosima ™

ETH.MESH.14427459-43 - Letter to FDA re: 510(k) K063562 S1, response to deficiencies email.

ETH.MESH.14427562-63 - Memo to Prosima Regulatory File. Minutes from Teleconference with FDA for Prosima 510(k).

ETH.MESH.14427564-65 - FDA Letter re: K063562 Gynecare Prosima Premarket Notification 510(k)

ETH.MESH.14427567-69 - Email from Nada Hanafi to Patrice Napoda re: K063562 Gynecare Prosima.

ETH.MESH.14427578-61 - Traditionsl 510(k) Premarket Notification Gynecare Prosima ™ Pelvic Floor Repair System.

ETH.MESH.15958178-82 - Email string, top one from Brian Luscombe to Tom Affeld re: Approved for distribution: FDA Notification FAQS and Customer Letter.

ETH.MESH.161953-54 - 10/12/1990 Letter from FDA re: N16374, Prolene Polypropylene Nonabsorbable Suture Gynecare TVT Obturator System Sales Materials

ETH.MESH.16259973 - Email from Lisa Jannone dated 1/5/12 re message from Lesley Fronio re update on recent media reports

ETH.MESH.16350627-28 - Email string, top one from Piet Hinoul to Paan Hermansson re: key message for upcoming Prosima launch.

ETH.MESH.16352932-34 - Email from Paan Hermansson to Sonja Willems, et al. re: Great EWH&U success at ICS/IUGA congress in Toronto; cc: Bernhard Fischer, et al.

ETH.MESH.1751069-94 - 09/07/2009 Safety review: TVT and TVT-O procedures

ETH.MESH.17669942 - Email from Robert Zipfel tp Elizabeth David, et al. re: Prosima and Advanced Prolift Preceptorship with Dr. Sepulveda and Drs. Antar, Jones and Schlafstein on Monday Jan 4, 2010.

ETH.MESH.17748760-61 - E-mail 4.25.11 from Kevin Frost regarding 2011 Incontinence & Pelvic Floor Recap

ETH.MESH.1784779-82 - Memo re: TVT-Base & TVT-O Complaint Review for Laser Cut Mesh (LCM) RiskAnalysis

ETH.MESH.1784823-28 - Clinical Expert Report

ETH.MESH.1809056-58 - Email re: Important Laser cut mesh update

ETH.MESH.1809080-81 - Memo re: Comparison of Laser-cut and machine-cut TVT Mesh to Meshes from Competetive Devices (BE02004-1641)

ETH.MESH.1815660-64 - Project Mulberry, Preliminary Clinical Diligence Report

ETH.MESH.18844812 - Jan 2007 email re delaying launch

ETH.MESH.18844812- Email from Patrick Kaminski to Robert Zipfel re: Dr. Thomas Antonini; cc: Stevan Barendse.

ETH.MESH.19308264-65 - Email from Walter Boldish to Stefanie Garbarino re: Prosima cadaver labs.

ETH.MESH.19310234-38 - Email string, top one from Stefanie Garbarino to Dr. Maxwell re: TVT-O

Production Materials ETH.MESH.222852-863 - 12/15/2003, Gynecare Final Report # 03*0740, TVT Obturator System ETH.MESH.222899-909 - Clinical Expert Report ETH.MESH.2236604-609 - TVT Obturator Brochure; "Results, Precision & Proven Mesh" ETH.MESH.223779-84 - Risk Management Report, TVT Laser Cut Mesh (LCM). Document Number RMR-0000017, Rev. 3 ETH.MESH.22937156 - Email from Dan Smith re: NG TVT-O NDP - Outcomes from Kickoff Meeting with Pr. De Leval & Dr. Waltregny ETH.MESH.2340504-33 - TVT IFU ETH.MESH.2340902-08 - TVT O IFU ETH.MESH.262089-123 - Manuscript Draft: (de Leval) Novel surgical technique for the treatment of female stress urinary incontinence: Transobturator Vaginal Tape Inside-Out ETH.MESH.3364663-66 - Email from O'Bryan re: ifu ETH.MESH.3365250-251 - Email from Weisberg re: IFU update ETH.MESH.341006-11 - 11/11/10 Letter from John Young re: Global Regulatory Strategy for TVT IFU (RMCP15506/E) Update (Part II, RA0001-2010, Rev. 1) ETH.MESH.3427878-83 - TVT IFU ETH.MESH.371496-594 - 01/28/98 Letter from FDA re: K974098 TVT System ETH.MESH.3911390-1 - Email from Arnaud re: Transient Leg Pain with Mulberry ETH.MESH.3922926-28 - Email re: OR Agenda Tunn ETH.MESH.3932909-11 - History of TVT-O ETH.MESH.3934952-67 - Tension-Free Vaginal Obturator Tape (TVOT) – April 30, 2003 – Meeting Report ETH.MESH.4048515-20 - KOL Interview ETH.MESH.4384126-65 - Clinical Evaluation Report, Gynecare TVT Tension-free Vaginal Tape / Tension-free Vaginal Tape Accessory Abdominal Guide ETH.MESH.442825-26 - Email re: TVT Laser Mesh info ETH.MESH.524746-48 - Email re: TVT Meeting with Agency ETH.MESH.525573 - Email re: TVT Laser Cut Mesh ETH.MESH.5315252-65 - Final Report, PSE Accession No. 97-0197, Project No. 16672 ETH.MESH.658177-98 - TVT Surgeon's Resource Monograph, A Report of the June 2000 Summit Meeting ETH.MESH.6696411-19 - Email re: Performance Evaluation of TVT Prolene Blue Mesh ETH.MESH.6859834-35 - Email re: Laser Cut TVT ETH.MESH.6878438-39 - Memo re: VOC on new Laser Cut TVT Mesh ETH.MESH.6882641-642 - Email from O'Bryan re: GYNECARE TVT Obturator System - FDA ETH.MESH.6886410-11 - Email from Weisberg re: Mulberry ETH.MESH.7393700 - 05/13/2003 Memo to Gynecare Continence Health Sales Team re: Gynecare TVT

PhysicianTraining Policy

ETH.MESH.7692905-07 - Email re: Mesh Fraying Dr. EBERHARD letter

ETH.MESH.8003295-301 - Patient Brochure: "Stop coping, start living."

ETH.MESH.8003303-17 - Patient Brochure: "Stop coping, start living."

ETH.MESH.823793-806 - Transobturator Vaginal Tape Inside-Out (TVT-O): From Development to Clinical Experience

ETH.MESH.865069-72 - Email from Dan Smith re: Draft report translated by "Babel fish"

http://babelfish.altavista.com/tr

ETH.MESH.PM.000001 - Prolift Professional Education Videos

ETH.MESH.PM.000002 - TVT-O Procedural Video

ETH.MESH.PM.000006 - Anatomy Videos
ETH.MESH.PM.000007 - Prolift Professional Education Videos
ETH.MESH.PM.000009 - Anatomy Videos
ETH.MESH.PM.000014 - Prolift Professional Education Videos
ETH.MESH.PM.000015 - Prolift Professional Education Videos
ETH.MESH.PM.000019 - Prolift Professional Education Videos
ETH.MESH.PM.000027 - Prolift Professional Education Videos
ETH.MESH.PM.000032 - Prolift Professional Education Videos
ETH.MESH.PM.000033 - Prolift Professional Education Videos
ETH.MESH.PM.000034 - Prolift +M Professional Education Videos
ETH.MESH.PM.000037 - Prolift Professional Education Videos
ETH.MESH.PM.000038 - Prolift Professional Education Videos
ETH.MESH.PM.000039 - Prolift Professional Education Videos
ETH.MESH.PM.000042
ETH.MESH.PM.000042 ETH.MESH.PM.000045
ETH.MESH.PM.000043 ETH.MESH.PM.000048 - Prolift +M Professional Education Videos
ETH.MESH.PM.000057 - Anatomy Videos
ETH.MESH.PM.000058 - Prolift Professional Education Videos
ETH.MESH.PM.000059
ETH.MESH.PM.000065 - Prolift Professional Education Videos
ETH.MESH.PM.000068 - Anatomy Videos
ETH.MESH.PM.000075 - Prolift Professional Education Videos
ETH.MESH.PM.000076 - Prolift Professional Education Videos
ETH.MESH.PM.000078 - Prolift Professional Education Videos
ETH.MESH.PM.000083
ETH.MESH.PM.000084
ETH.MESH.PM.000087
ETH.MESH.PM.000088 - Anatomy Videos
ETH.MESH.PM.000089 - Anatomy Videos
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ETH.MESH.PM.000092 - Prolift +M Professional Education Videos
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ETH.MESH.PM.000096
ETH.MESH.PM.000097
ETH.MESH.PM.000098
ETH.MESH.PM.000130
ETH.MESH.PM.000134 - Anatomy Videos
ETH.MESH.PM.000143
ETH.MESH.PM.000145 - Prolift +M Professional Education Videos
ETH.MESH.PM.000148
ETH.MESH.PM.000151 - Anatomy Videos
ETH.MESH.PM.000154 - Anatomy Videos
ETH.MESH.PM.000156
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Prosima Launch Sales Aid- Your Proof: Her dance class [3 pages]

Prosima Marketing Material Roll-out Letter from Kevin Forst PROS-040-10-2/12 February 16, 2010 [1 page]

Prosima MRI Flashcard 2- Gynecare Prosima™ Pelvic Floor Repair System. The first fixationless mesh system that maintains anatomical position. [2 pages]

Prosima MRI Flashcard- MRI Flashcard Learning Guide [2 pages]

Prosima NTM Opening Presentation 2011- "This Year Prosima is Personal" [8 pages]

Prosima Pelvic Model

Prosima Preceptor Confirmation- Virtual Round Table October 2010 [2 pages]

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Prosima Sales Aid Training Deck- "What could a truly tension-free repair mean for you and your patients?" [5 pages]

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TVT-Secur mini-sling for stress urinary incontinence: a review of outcomes at 12 months (Plaintiff's Exhibit 2272)

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Unger, James B 05.27.2016	
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lakovlev, Vladimir (Case Specific) - 04.29.2016	
Guelcher, Scott (General) - Received 05.05.2016	
lakovlev, Vladimir (General) - 01.29.2016	
Ostergard, Donald (Prolift, Gynemesh, Prolene General) - 01.31.2016	
Wilson, Anne (General TVT) - Received 05.05.2016	
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Depositions
Blaivas, Jerry, M.D. (General Plaintiff Expert-Prolift) - 03.02.2016
Blaivas, Jerry, M.D. (General Plaintiff Expert-TVT-S & Abbrevo) - 03.03.2016
Carey, Erin (Durham Plaintiff Expert) - 03.07.2016
Elliott, Daniel, M.D. (General Plaintiff Expert-TVT-O & TVT-S) - 03.06.2016
Galloway, Niall T., M.D. (Taylor Plaintiff Expert) - 03.10.2016
Galloway, Niall, M.D. (Taylor Flaintiff Expert) - 03.10.2016 Galloway, Niall, M.D. (Durham Plaintiff Expert) - 03.04.2016
Gonzalez, Ricardo R., M.D. (Wolfe Plaintiff Expert) - 03.05.2016
Goodyear, Nathan W., M.D. (Shively Plaintiff Expert) - 03.03.2016
Goodyear, Nathan W., M.D. (Taylor Plaintiff Expert) - 03.03.2016
lakovlev, Vladimir, M.D. (Taylor Plaintiff Expert) - 03.21.2016
Joseph Carbone (Defense Expert-Prolift) - 03.16.16
Joseph Carbone (Defense Expert-Folity - 03.16.16
Karlovsky, Matthew (Olson Plaintiff Expert) - 03.17.2016
Kholi, M.D. Neeraj (General Plaintiff Expert)
Margolis, Michael (Amsden Plaintiff Expert) - 03.19.2016
Mays, Jimmy W., Ph.D. (General Plaintiff Expert) - 03.02.2016
Ostergard, Donald (General Plaintiff Expert) - 03.09.2016
Ostergard, Donald (Warlick Plaintiff Expert) - 03.22.2016
Ostergard, Donald, M.D. (Bridges Plaintiff Expert) - 03.23.2016
Porter, William E., M.D. (Shively Plaintiff Expert) - 03.13.2016
Porter, William, M.D. (General) - 06.15.2016
Priddy, Duane, Ph.D. (General Plaintiff Expert) - 03.08.2016
Reeves, Keith (Wolfe Plaintiff Expert) - 03.16.2016
Rosenzweig, Bruce, M.D. (Long Plaintiff Expert) - 03.10.2016
Sepulveda, Jamie - 03.30.2016
Shull, Robert, M.D (Dimock Plaintiff Expert) - 03.15.2016
Wilson, Anne (General Plaintiff Expert) - 03.22.2016
Zipper, M.D. Ralph (General Plaintiff Expert)
Expert Reports
Blaivas, Jerry (Prolift General) - 02.01.2016
Blaivas, Jerry (TVT General) - 02.01.2016
Blaivas, Jerry (TVT-O General) - 02.01.2016
Elliott, Daniel (Prolift General) - Received 05.05.2016
Elliott, Daniel (TVT General) - 02.01.2016
Elliott, Daniel (TVT-O General) - 02.01.2016
Guelcher, Scott (General) - Received 05.05.2016
lakovlev, Vladimir (General) - 01.29.2016
Jordi, Howard (General) - 02.01.2016
Klinge, Uwe (POP General) - 11.17.2015
Klinge, Uwe (TVT General) - 11.16.2015
Kohli, Neeraj (TVT-O General) - 01.2016
Margolis, Michael (General TVT-O) - 02.01.2016
Mays, Jimmy (General) - 04.29.2016
Ostergard, Donald (Prolift, Gynemesh, Prolene General) - 01.31.2016

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Wilson, Anne (TVT-O General) - Received 05.05.2016

Pence, Peggy (Notice of Adoption of Prior Reports) - 02.01.2016 Pence, Peggy (Prolift General) - 07.17.2014 Pence, Peggy (Prosima General) - 02.01.2016 Pence, Peggy (Supplemental Prolift General) - 03.03.2016 Pence, Peggy (Supplemental Prosima General) - 03.03.2016 Pence, Peggy (Supplemental TVT & TVT-O General) - 03.02.2016 Pence, Peggy (Supplemental TVT-O General) - 04.24.2015 Pence, Peggy (TVT General) - 10.14.2013 Pence, Peggy (TVT-O General) - 07.17.2014 Plaintiff expert reports and materials cited in Wave 2 general reports of Rosenzweig, Margolis, Raybon, Blaivas, Ostergard, Shull, Elliott and Zipper Raybon, Brian (Prolift General) - 01.26.2016 Rosenzweig, Bruce (General Prosima) - 02.01.2016 Rosenzweig, Bruce (General) - 06.09.2014 Rosenzweig, Bruce (Huskey/Edwards) - 02.21.2014 Rosenzweig, Bruce (Lewis/Brown) - 10.14.2013 Rosenzweig, Bruce (MDL Design Defect) - 08.24.2015 Rosenzweig, Bruce (Ramirez) - 04.24.2015 Rosenzweig, Bruce (TVT, TVT-O Notice of Adoption of Prior Reports) - 12.15.2015 Wilson, Anne (General TVT) - Received 05.05.2016

EXHIBIT G

References: 1. N Engl J Med. 2003;348(10):900–7

2. Int Urogynecol J. 2015 DOI 10.1007/s 00192-015-2916-1

3. Obstet Gynecol. 2015;125(3):531-9

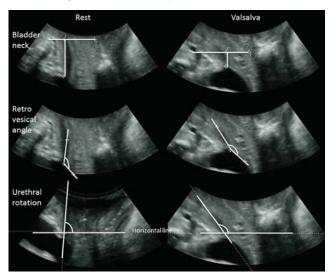


		Table	1			
	Variable	Group	Antenatal N=180	1 year pp N=147	4 years pp N=147	Significant differences over time
UI symptoms	ICIQ-SF score (range 0-24) Mean (SD)	≥1 CS	3.7 (4.8)	2.9 (4.5)	3.8 (5.2)	Antenatal to 1y (p=0.27) Antenatal to 4 y (p=0.34) 1y to 4y (p=0.04)
		≥1 VD LAM intact	3.0 (3.8)	2.7 (3.4)	3.7 (4.2)	
		≥1 VD LAM avulsion	3.1 (3.5)	3.1 (3.2)	3.2 (3.9)	
Bladder neck and urethral mobility	Bladder neck descent (cm) Mean (SD)	≥1 CS	1.0 (0.9)	1.0 (0.8)	1.2 (0.6)	Antenatal to 1y (p=0.22)
		≥1 VD LAM intact	0.9 (0.7)	1.1 (0.8)	1.3 (1.2)	Antenatal to 4y (p=<0.01) 1 y to 4y (p=<0.01)
		≥1 VD LAM avulsion	1.0 (0.7)	1.1 (0.6)	1.8 (0.8)	
	Urethral rotation (degrees) Mean (SD)	≥1 CS	25 (23)	33 (23)	40 (21)	Antenatal to 1y (p<0.01) Antenatal to 4 y (p<0.01) 1 y to 4y (p=0.046)
		≥1 VD LAM intact	23 (17)	38 (22)	42 (24)	
		≥1 VD LAM avulsion	26 (18)	46 (21)	47 (25)	
	Retro vesical angle at Valsalva (degrees) Mean (SD)	≥1 CS	149 (25)	139 (30)	152(31)	Antenatal to 1y (p=0.32)
		≥1 VD LAM intact ≥1 VD LAM avulsion	146 (23) 148(19)	148 (28) 146 (37)	160 (27) 155 (30)	1

PP 19

THE MYTH: IN VIVO DEGRADATION OF POLYPROPYLENE MESHES

K. L. ONG¹, J. WHITE ¹, S. F. THAMES ²;

¹Exponent, Inc., Philadelphia, PA, ²Univ. of Southern Mississippi, Hattiesburg, MS.

Abstract:

Introduction: Use of polypropylene (PP) hernia and urogynecological meshes began in the 1960s. Some have recently observed cracked surfaces on explanted meshes and

proposed those as degraded PP, without considering the formalin fixation process and inadequate mesh cleaning.

Objective: Analyze morphology and material chemistry of explanted Prolene meshes via a novel, effective, cleaning process. **Methods**: Explanted Prolene meshes were cleaned using distilled water (to reverse the well-known chemistry of the fixative crosslinking reaction), sodium hypochlorite and Proteinease K. At each intermediate cleaning step, analysis included Light Microscopy, Fourier Transform Infrared Spectroscopy, and Scanning Electron Microscopy.

Results: Identical translucent and sometimes clear cracked/flaking material on blue and clear fibers was observed (Fig. 1).



Fig. 1: Had Prolene been oxidized, *in vivo* blue fiber flakes would be blue and clear fiber flakes would be clear, instead of identical translucent/sometimes clear cracked and flaking material and both blue and clear fibers.

Had Prolene been oxidized, blue fiber flakes would be blue and clear fiber flakes would be clear. Cleaning progressively removed bulk tissue and regions with cracked material on the explant surfaces, exposing clean, smooth, unoxidized and non-degraded fibers with no visible gradient-type, ductile damage, which would have occurred if Prolene degraded in vivo (Fig. 2).

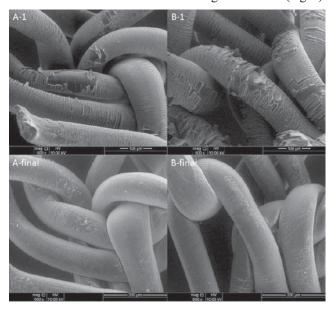


Fig. 2: SEM images showing progressive removal of cracked material at two locations (A and B) on explanted Prolene mesh after bulk tissue removal (A-1, B-1) and after progressive cleaning (A-final, B-final).

EDS showed magnesium, phosphorus, and calcium, etc. in cracked regions, but not in non-cracked regions or exemplar fibers. These are elements common to biological matter. FTIR of explants spectrally absorbed at ~1740 cm-1, which others have stated as consistent with oxidative degradation. However, this absorption represents a Prolene antioxidant. An absorption frequency of 1650 cm-1 is attributed to byproducts of oxidative degradation, but is within protein's absorption region and expected to be present. FTIR confirmed progressive protein removal and loss of protein absorption intensity after each cleaning step (Fig. 3).

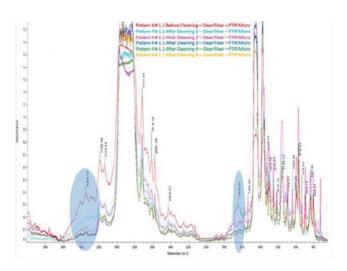


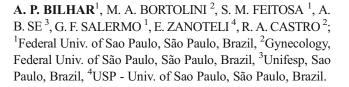
Fig. 3: FTIR showing progressive loss of adsorbed protein coating with cleaning.

Conclusions: Explanted Prolene meshes did not undergo meaningful or harmful degradation in vivo. Instead, the cracked layer was composed of adsorbed protein coating arising from a well-established phenomenon occurring immediately upon implantation in vivo. Adsorbed proteins when placed in formalin fixative begin immediately to crosslink and forms a hard, brittle, protective composite layer.

References: n/a

PP 20

MOLECULAR EFFECTS OF INTRAVENOUS MUSCLE-DERIVED STEM CELLS THERAPY IN THE DAMAGED URETHRAL TISSUE OF FEMALE RATS: GENE AND PROTEIN EXPRESSION PROFILE.



Abstract:

Introduction: Stress urinary incontinence (SUI) is a high prevalent condition in women.

Cell therapy has been considered as a promising therapy for SUI. Since muscle-derived stem cells (MDSC) can be obtained easily in large quantities, these cells may exhibit advantages in cell therapy applications in patients with SUI.

Objective: Our aims were to analyze the effects of MDSC intravenous injection in the urethra of rats after trauma by vaginal distention and compare them with controls and traumatized rats without treatment in regards to: (1) mRNA expression of collagens, vascular endothelial growth factor A (VEGF), nerve growth factor (NGF), Ki67 cell proliferation marker, and the expression of genes related to smooth and striated muscle apparatus; (2) expression of smooth and striated muscle proteins. **Methods**: We investigated the urethras of three groups of rats: control, animals subjected to a 12-h intermittent vaginal distention only (VD) and that received MDSC therapy (VD+ MDSC). MDSC were obtained from mutant rats expressing green fluorescent protein (GFP), and further cultivated in vitro. MDSC were injected into the tail vein of the rats at day 3 after VD and the urethras were analyzed at day 28.

We used real-time RT-PCR methodology for gene expression profile: Skeletal muscle myosin heavy chain (Myh1), Smooth muscle myosin heavy chain (Myh11), Ki67, Collagen type I (COL1), Collagen type III (COL3), VEGF and NGF.

We used Immunohistochemistry for identification and quantification of Myh11 and Myh1 proteins. The image analysis software HistoQuant (3DHISTECH) was used to selected immunopositive areas and obtain the value of the area marked in relation to the total area of each urethra.

Kruskal-Wallis test (Dunn's post-test) and ANOVA test (Tukey's post-test) were used for statistical analysis, with p<0.05 for significance.

Results: At 4 weeks after VD, Ki-67, COL1 and COL3 genes expression were significantly upregulated in VD+MDSC group compared to controls (p=0.01, p=0.008, p=0.03, respectively). In addition, Ki-67 and COL1 genes were overexpressed in VD+MDSC group compared to VD (p=0.02, p=0.03, respectively) (Fig. 1).

On the other hand, NGF mRNA expression was significantly downregulated after VD+MDSC compared to VD group (p=0.002). VEGF gene expression was not different among the groups (Fig. 1).

Myh11 and Myh1 genes were overexpressed in VD group in relation to control (p=0.03 and p=0.04, respectively) with no

